Author Index For Volume 51

A

AASK Pilot Study Investigators *See* Fogo A et al 244
Abboud HE *See* Wenzel U et al 770
Abdulkareem F *See* Solez K et al 1476
Abe K *See* Ito O et al 1037
Abendroth D *See* Mickley V et al 277
Abraham AA *See* Bódi I et al 1568
Acker H *See* Ehleben W et al 483
Acker H *See* Fandrey J et al 492
Adamski M *See* Strojek KNN et al 1602
Adler S *See* Alexander JJ et al 1124
Adler S *See* Modification of Diet in Renal Disease Study Group et al 1908
Adler S *See* Sheerin NS et al 703
Agani F *See* Semenza GL et al 553
Agar JWM (abst) 1321, 1330
Agodoa L *See* Fogo A et al 244
Agodoa LY *See* Leypoldt JK et al 2013
Ahn C (abst) 947, 947, 948, 949, 963, 964
Ahn HS (abst) 949, 953
Ahn JH (abst) 967, 967
Ahn JK (abst) 953
Ahn KY (abst) 949
Ahn MJ (abst) 948, 948, 963
Ahn SJ (abst) 965
Ahn YH (abst) 969
Akagi A *See* Akagi Y et al 1265
Akagi A *See* Yamauchi A et al 1847
Akagi Y, Isaka Y, Akagi A, Ikawa M, Takenaka M, Moriyama T, Yamauchi A, Horio M, Ueda N, Okabe M, Imai E: Transcriptional activation of a hybrid promoter composed of cytomegalovirus enhancer and β-actin/β-globin gene in glomerular epithelial cells *in vivo* (Technical Note) 1265
Akalin E, Chandraker A, Sayegh M, Turka LA: Role of the CD28:B7 costimulatory interaction in alloimmune responses 58:S-8
Akdeniz A (abst) 1309
Akiba T *See* Niwa T et al 187
Al-Abbad A (abst) 1305
Alakurtti H *See* Männikkö M et al 868
Alcorn D (abst) 1308
Alexander JJ, He C, Adler S, Holers VM, Quigg RJ: Characterization of C3 receptors on cultured rat glomerular endothelial cells 1124
Alexander S (abst) 1318, 1326
Alexander SI *See* Briscoe DM et al 58:S-22
Alippi RM *See* Bozzini CE et al 413
Allein S *See* De Bisschop E et al 1182
Allen TJ (abst) 1309
Almeida M *See* Malyankar UM et al 1766
Alonso C *See* González-Cuadrado S et al 1739
Alper SL *See* Sabolić I et al 125
Alpers CE *See* Floege J et al 230
Alpers CE *See* Floege J et al 1140
Alsina J *See* Scrón D et al 310
Amar J, Vernier I, Rossignol E, Lenfant V, Conte JJ, Chamontin B: Influence of nycthemeral blood pressure pattern in treated hypertensive patients on hemodialysis 1863
Amedei A *See* D'Elios MM et al 1876
Amore A, Cirina P, Mitola S, Peruzzi L, Gianoglio B, Rabbone I, Sacchetti C, Cerutti F, Grillo C, Coppo R: Nonenzymatically glycated albumin (Amadori adducts) enhances nitric oxide synthase activity and gene expression in endothelial cells 27
An HJ (abst) 961
An JC (abst) 951
An WS (abst) 947
Ando M, Gåfvels M, Bergström J, Lindholm B, Lundkvist I: Uremic serum enhances scavenger receptor expression and activity in the human monocytic cell line U937 785
Andreoli TE: Report of the Editor 1663
Aparicio M *See* Rigalleau V et al 1222
Aperia A *See* Serlachius E et al 1855
Apostolopoulos J (abst) 1320
Appelbe AF (abst) 1321
Apperloo AJ, de Zeeuw D, de Jong PE: A short-term antihypertensive treatment-induced fall in glomerular filtration rate predicts long-term stability of renal function 793
Araki S, Haneda M, Togawa M, Kikkawa R: Endothelin-1 activates c-*Jun* NH_2-terminal kinase in mesangial cells 631
Arany Z *See* Huang LE et al 548
Arbus GS: Association of verotoxin-producing *E. coli* and verotoxin with hemolytic uremic syndrome 58:S-91
Archenti A *See* Sampietro M et al 348
Archer SL *See* Weir EK et al 462
Ardaillou N *See* Millul V et al 281
Ardaillou R *See* Tharaux P-L et al 1780
Arnaout MA *See* Sugimori T et al 1454
Arruda JAL *See* Ruiz OS et al 1069
Ashby R (abst) 1315
Asmus G *See* Kohlmeier M et al 1218
Asplin JR, Bushinsky DA, Singharetnam W, Riordon D, Parks JH, Coe FL: Relationship between supersaturation and crystal inhibition in hypercalciuric rats 640
Assmann KJM *See* van Setten PA et al 1245
Atkins RC (abst) 1313, 1313, 1324, 1325, 1329
Atkins RC: Report of the President of the XIVth International Congress of Nephrology 2037
Atkins RC *See* Chadban SJ et al 1809
Attman P-O *See* Johansson A-C et al 855
Aubertin J *See* Rigalleau V et al 1222
Aula P *See* Männikkö M et al 868
Ault K *See* Himmelfarb J et al 834
Aung M *See* Ziegler MG et al 324
Auwardt R (abst) 1327

B

Bacher M (abst) 1313

Bachmann S, Ramasubbu K: Immunohistochemical colocalization of the α-subunit of neutrophil NADPH oxidase and ecto-5′-nucleotidase in kidney and liver 479
Badalamenti S *See* Sampietro M et al 348
Baddoura FK *See* Coelho SN et al 646
Badr KF *See* Nassar GM et al 1520
Bae SH (abst) 963
Bae SJ (abst) 947
Bae SK (abst) 956
Baek MY (abst) 951, 957, 962
Bailey MA (abst) 1317
Bailey RR (abst) 1308, 1316, 1316, 1316, 1316, 1317, 1317, 1319
Bailly P *See* Xu Y et al 138
Baker BK *See* Powell DR et al 1970
Balazy M *See* Carroll MA et al 1696
Balderson G (abst) 1322
Ballermann BJ *See* Pintavorn P et al 1401
Banas B *See* Fischereder M et al 2006
Banas B *See* Schlöndorff D et al 610
Banchereau J *See* van Kooten C et al 711
Bang BK (abst) 946, 955, 961, 961, 962, 964, 965, 965, 966, 967, 969, 969
Bang JH (abst) 952
Bannister KM (abst) 1328
Barceló AC *See* Bozzini CE et al 413
Barclay ML (abst) 1316
Barden A (abst) 1310
Barnes WE *See* Yu AW et al 1986
Barragán A *See* Hernández D et al 1205
Barratt LJ (abst) 1317
Barratt TM *See* Hulton S-A et al 58:S-83
Barrios Y *See* Hernández D et al 1205
Baruch D *See* Hafdi Z et al 1900
Bąaszczyk J *See* Rysz J et al 294
Bateman JF (abst) 1324
Batlle DC *See* Wada J et al 1629
Baudouin B *See* Millul V et al 281
Bauer C, Kurtz A: Introduction 371
Bauer C *See* Marti HH et al 416
Baumgärtl H *See* Lübbers DW et al 372
Baumgartner I, Triller J, Mahler F: Patency of percutaneous transluminal renal angioplasty: A prospective sonographic study 798
Baylis C *See* Losonczy G et al 1943
Beattie TJ (abst) 1322
Beavis MJ, William JD, Hoppe J, Topley N: Human peritoneal fibroblast proliferation in 3-dimensional culture: Modulation by cytokines, growth factors and peritoneal dialysis effluent 205
Beck F-X, Ohno A, Müller E, Seppi T, Pfaller W: Inhibition of angiotensin-converting enzyme modulates structural and functional adaptation to loop diuretic-induced diuresis 36
Beck I *See* Salceda S et al 556
Beck NS (abst) 949, 968
Becker G (abst) 1314, 1321, 1321
Becker GJ (abst) 1308, 1312, 1312, 1324, 1329, 1329
Beckman BS *See* Scandurro AB et al 579
Beers KW *See* Chini EN et al 1500
Begg EJ (abst) 1316
Beilby J (abst) 1318
Beilin LJ (abst) 1310, 1310, 1318
Beitner-Johnson D *See* Millhorn DE et al 527
Belin TR *See* Goodman WG et al 1590
Benigni A *See* Remuzzi G et al 2
Benigni A *See* Remuzzi G et al 58:S-66
Berard M *See* Pruna A et al 687
Beresh JE *See* Czyzyk-Krzeska MF et al 585
Bergmaier U *See* Sandner P et al 448
Bergström J *See* Ando M et al 785
Bernaert P *See* Jadoul M et al 1928
Bernard AM *See* Nortier JL et al 288
Bertani T *See* Corna D et al 1583
Bertram JF (abst) 1308, 1308, 1310, 131i
Bertram JF *See* Ford MD et al 1729
Besarab A *See* Erslev AJ et al 622
Bessou G *See* Hafdi Z et al 1900
Betsholtz C, Raines EW: Platelet-derived growth factor: A key regulator of connective tissue cells in embryogenesis and pathogenesis 1361
Bilous RW *See* MacLeod JM et al 1624
Bin KT (abst) 970
Bird SD (abst) 1330
Bishop CW *See* Tan AU Jr. et al 317
Bittard H *See* Dumoulin G et al 804
Blanchetier V *See* Rigalleau V et al 1222
Blancho G *See* D'Elios MM et al 1876
Bleyer AJ (abst) 1326
Bloch JF *See* Losonczy G et al 1943
Block S *See* Fliser D et al 1196
Blom A *See* Lindström KE et al 1053
Blum WF *See* Tönshoff B et al 58:S-106
Bódi I, Kimmel PL, Abraham AA, Svetkey LP, Klotman PE, Kopp JB: Renal TGF-β in HIV-associated kidney diseases 1568
Boer P *See* Boer WH et al 44
Boer WH, Braam B, Fransen R, Boer P, Koomans HA: Effects of reduced renal perfusion pressure and acute volume expansion on proximal tubule and whole kidney angiotensin II content in the rat 44
Bofetiado CJM *See* Zheng D-Q et al 1434
Boffa M-C *See* Pruna A et al 687
Bofinger A (abst) 1327
Bonardet A *See* Canaud B et al 2000
Booth G *See* Semenza GL et al 553
Border WA, Noble NA: Introduction 1339
Border WA, Noble NA: TGF-β in kidney fibrosis: A target for gene therapy 1388
Border WA *See* Kagami S et al 664
Borklund A (abst) 1326
Bosari S *See* Zheng D-Q et al 1434
Bosc J-Y *See* Canaud B et al 2000
Böttinger EP, Letterio JJ, Roberts AB: Biology of TGF-β in knockout and transgenic mouse models 1355
Bover J *See* Serón D et al 310
Bowden DW *See* Freedman BI et al 819
Bowen-Pope DF *See* Floege J et al 1140
Boyce J *See* Hou FF et al 1514
Boyd RA (abst) 1325
Boyd RA *See* Penny MJ et al 1059
Bozzini C *See* Bozzini CE et al 413
Bozzini CE, Barceló AC, Conti MI, Martínez MP, Lezón CE, Bozzini C, Alippi RM: Unexpected hypoxia-dependent erythropoietin secretion during experimental conditions not affecting tissue oxygen supply/demand ratio 413
Braam B *See* Boer WH et al 44
Braatz JA *See* Hou FF et al 1514

Braden GL, von Oeyen PT, Germain MJ, Watson DJ, Haag BL: Ritodrine- and terbutaline-induced hypokalemia in preterm labor: Mechanisms and consequences ... 1867
Brady HR *See* O'Meara YM et al ... 58:S-56
Brady HR *See* Rabb H et al ... 1463
Brandis M *See* Hildebrandt F et al ... 261
Bratke J *See* Kietzmann T et al ... 542
Brechler V *See* Laframboise M et al ... 104
Brenchley PEC *See* Mallick NP et al ... 58:S-80
Bresson C *See* Dumoulin G et al ... 804
Brew BK (abst) ... 1306, 1307, 1323
Brewer ED *See* Powell DR et al ... 1970
Breyer JA *See* Fogo A et al ... 244
Breyer MD *See* Hao C-M et al ... 1831
Breyer RM *See* Hao C-M et al ... 1831
Brezis M *See* Heyman SN et al ... 653
Brezis M *See* Heyman SN et al ... 1619
Briggs JD (abst) ... 1322
Briscoe DM, Ganz P, Alexander SI, Melder RJ, Jain RK, Cotran RS, Lichtman AH: The problem of chronic rejection: Influence of leukocyte-endothelial interactions ... 58:S-22
Brown A (abst) ... 1315
Brown D *See* Sabolić I et al ... 125
Brown L (abst) ... 1307
Brown M (abst) ... 1306
Brown MA (abst) ... 1328
Broyer M *See* Niaudet P et al ... 58:S-85
Brunette MG *See* Zuo Q et al ... 1991
Brüngger M, Hulter HN, Krapf R: Effect of chronic metabolic acidosis on the growth hormone/IGF-1 endocrine axis: New cause of growth hormone insensitivity in humans ... 216
Brunkhorst R *See* Floege J et al ... 230
Brunkhorst R *See* Mahiout A et al ... 860
Brunkhorst R *See* Zwirner J et al ... 1257
Bucala R (abst) ... 1313
Buccianti G *See* Sampietro M et al ... 348
Bucher M *See* Krämer BK et al ... 444
Buddle ML (abst) ... 1328
Bunn HF *See* Huang LE et al ... 548
Burckhardt G *See* Laich A et al ... 477
Burg M *See* Eitner F et al ... 69
Burg M *See* Zwirner J et al ... 1257
Burkart JM (abst) ... 1326
Burke V (abst) ... 1318
Burkhart K *See* Zager RA et al ... 728
Burnham C *See* Wang Z et al ... 1106
Burton CJ *See* Combe C et al ... 1703
Burton P (abst) ... 1318
Bushinsky DA *See* Asplin JR et al ... 640
Bushinsky DA *See* Tsuruoka S et al ... 1540
Buttimore AL (abst) ... 1316
Buzelin F *See* D'Elios MM et al ... 1876

C

Caggiula A *See* Modification of Diet in Renal Disease Study Group et al ... 1908
Cahill MM (abst) ... 1311
Cai Z *See* Miyata T et al ... 1170
Callard RE *See* Hulton S-A et al ... 58:S-83
Cameron JS: Presentation of the 1997 Jean Hamburger Award to Renée Habib and Priscilla Kincaid-Smith ... 2056
Campese VM *See* Ye S et al ... 722
Cañas C *See* Serón D et al ... 310
Canaud B, Bosc J-Y, Leblanc M, Garred L, Vaussenat F, Bonardet A, Mion C: A simple and accurate method to determine equilibrated post-dialysis urea concentration (Technical Note) ... 2000
Cancilla B (abst) ... 1308
Cao Z (abst) ... 1309
Cardoso LR *See* Ruiz OS et al ... 1069
Carlson J *See* Endsley JK et al ... 1893
Carmeliet P (abst) ... 1324
Caro J *See* Salceda S et al ... 556
Caro JF *See* Sharma K et al ... 1980
Carpenter CB *See* Sayegh MH et al ... 58:S-11
Carrera M *See* Serón D et al ... 310
Carrico P *See* Zitomer RS et al ... 507
Carroll MA, Balazy M, Huang D-D, Rybalova S, Falck JR, McGiff JC: Cytochrome P450-derived renal HETEs: Storage and release ... 1696
Cartron J-P *See* Xu Y et al ... 138
Castellano A *See* López-Barneo J et al ... 454
Caterson RJ (abst) ... 1326
Cattran DC, Pei Y, Greenwood CMT, Ponticelli C, Passerini P, Honkanen E: Validation of a predictive model of idiopathic membranous nephropathy: Its clinical and research implications ... 901
Cauchi J (abst) ... 1308, 1308
Cauchi J *See* Ford MD et al ... 1729
Central Eastern Europe Subcommittee *See* Ritz E et al ... 971
Cermak R *See* Hirsch JR et al ... 473
Cerutti F *See* Amore A et al ... 27
Cha DR (abst) ... 962, 964, 964, 968
Cha MK (abst) ... 947, 947, 959
Cha SH (abst) ... 965
Chadban SJ (abst) ... 1313, 1324
Chadban SJ, Tesch GH, Lan HY, Atkins RC, Nikolic-Paterson DJ: Effect of interleukin-10 treatment on crescentic glomerulonephritis in rats ... 1809
Challa A *See* Kuemmerle N et al ... 58:S-102
Chambers ST (abst) ... 1316
Chamontin B *See* Amar J et al ... 1863
Chan D (abst) ... 1324
Chan JCM *See* Kuemmerle N et al ... 58:S-102
Chan WYL (abst) ... 1328
Chandraker A *See* Akalin E et al ... 58:S-8
Chang HK (abst) ... 965
Chang YS (abst) ... 946, 955, 961, 965, 966, 969
Chap H *See* Gaits F et al ... 1022
Charles CJ (abst) ... 1308
Charlesworth JA (abst) ... 1309
Chatziantoniou C *See* Tharaux P-L et al ... 1780
Cheever AW *See* Wahl SM et al ... 1370
Chen J (abst) ... 1314
Chen JY *See* Yang AH et al ... 1280
Chen L (abst) ... 1323
Cheng Z-H *See* Liu Z-H et al ... 1938
Cheong HI (abst) ... 949, 950, 952, 967
Chertow GM, Lazarus JM, Lew NL, Ma L, Lowrie EG: Development of a population-specific regression equation to estimate total body water in hemodialysis patients ... 1578
Chertow GM *See* Hou FF et al ... 1514
Cheung AK *See* Leypoldt JK et al ... 2013
Cheung APP (abst) ... 1327
Chin C (abst) ... 1318
Chin HJ (abst) ... 947, 947

Chini CCS *See* Chini EN et al. 1500
Chini EN, Klener P Jr., Beers KW, Chini CCS, Grande JP, Dousa TP: Cyclic ADP ribose metabolism in rat kidney: High capacity for synthesis in glomeruli 1500
Cho BS (abst) 965
Cho DK (abst). 951, 952, 953, 957, 962
Cho EY (abst) 959, 960
Cho S (abst) 951, 957, 962
Cho SK (abst) 955
Cho WY (abst) 962, 964, 964, 968
Cho YJ (abst) 945
Cho YS (abst) 948, 949, 950
Choi EJ (abst). 946, 955, 961, 961, 965, 965, 969, 969
Choi GB (abst) 956
Choi KB (abst). 952, 956
Choi KC (abst) 950, 950, 954, 954
Choi KH (abst). 946, 958, 959, 959, 959, 960, 965
Choi SI (abst) 953
Choi SO (abst) 949
Choi TJ (abst) 970
Choi Y (abst) 949, 950, 952, 967
Choi YJ (abst) 962, 964
Christiansen T, Rasch R, Stødkilde-Jørgensen H, Flyvbjerg A: Relationship between MRI and morphometric kidney measurements in diabetic and non-diabetic rats 50
Christou H *See* Kourembanas S et al 438
Chrysostomou A (abst) 1324
Chu ZM (abst) 1310
Chung HK *See* Lee HS et al 1151
Chung JY (abst) 947
Chung MK (abst) 945
Chung SH (abst) 959
Chung U-G *See* Hirakata M et al 1028
Chung WY (abst) 969
Chung YJ (abst) 954
Cirina P *See* Amore A et al 27
Clark AT (abst). 1310
Clark EC *See* Silver SM et al. 1239
Claveau D *See* Zuo Q et al 1991
Cleveland WH *See* Fogo A et al 244
Coates PTH (abst) 1308, 1315, 1317, 1316, 1326
Coats SR *See* Shankland SJ et al. 1088
Coburn JW *See* Tan AU Jr. et al 317
Cochran M (abst) 1308
Coe FL *See* Asplin JR et al. 640
Coe FL *See* Parks JH et al 894
Coelho SN, Saleem S, Konieczny BT, Parekh KR, Baddoura FK, Lakkis FG: Immunologic determinants of susceptibility to experimental glomerulonephritis: Role of cellular immunity 646
Cohney SJ (abst) 1323
Coleman P *See* Rabb H et al. 1463
Collins JF (abst) 1328
Combe C, Burton CJ, Dufourcq P, Weston S, Horsburgh T, Walls J, Harris KPG: Hypoxia induces intercellular adhesion molecule-1 on cultured human tubular cells . . 1703
Combe C *See* Rigalleau V et al. 1222
Como G *See* Sampietro M et al 348
Condom E *See* Serón D et al 310
Conforti L *See* Millhorn DE et al 527
Connolly J (abst) 1329
Considine RV *See* Sharma K et al. 1980
Conte JJ *See* Amar J et al. 1863
Conti MI *See* Bozzini CE et al 413
Cook DI (abst). 1306, 1323
Cooper BA (abst) 1326
Cooper M (abst) 1309, 1312, 1312
Cooper ME (abst) 1309, 1314
Cooper ME *See* Wu LL et al. 1553
Coppo R *See* Amore A et al. 27
Corbetta N *See* Sampietro M et al 348
Corke CF (abst). 1321
Corna D, Morigi M, Facchinetti D, Bertani T, Zoja C, Remuzzi G: Mycophenolate mofetil limits renal damage and prolongs life in murine lupus autoimmune disease 1583
Cornfield DN *See* Weir EK et al. 462
Cortes P, Zhao X, Riser BL, Narins RG: Role of glomerular mechanical strain in the pathogenesis of diabetic nephropathy 57
Cotran RS *See* Briscoe DM et al. 58:S-22
Couser WG *See* Shankland SJ et al. 1088
Coward M *See* Parks JH et al 894
Cox A (abst) 1312
Cox A *See* Wu LL et al. 1553
Craig JC (abst). 1305, 1306
Craig T *See* Wang Z et al 1106
Croft KD (abst). 1310
Cua M *See* Guasch A et al 826
Cuturi MC *See* D'Elios MM et al 1876
Czyzyk-Krzeska MF, Paulding WR, Beresh JE, Kroll SL: Post-transcriptional regulation of tyrosine hydroxylase gene expression by oxygen in PC12 cells 585

D

Daha MR *See* Sato T et al 173
Daha MR *See* Timmerman JJ et al 1788
Daha MR *See* van Kooten C et al. 711
Dai L-J, Friedman PA, Quamme GA: Cellular mechanisms of chlorothiazide and cellular potassium depletion on Mg^{2+} uptake in mouse distal convoluted tubule cells. 1008
Dai L-J, Friedman PA, Quamme GA: Phosphate depletion diminishes Mg^{2+} uptake in mouse distal convoluted tubule cells. 1710
Dallemagne CR (abst). 1307
Dämmrich J *See* Geiger H et al 750
Damsky CH, Moursi A, Zhou Y, Fisher SJ, Globus RK: The solid state environment orchestrates embryonic development and tissue remodeling 1427
Daniels LJ, Platt JL: Hyperacute xenograft rejection as an immunologic barrier to xenotransplantation 58:S-28
d'Apice AJF (abst) 1324
Daugirdas JT, Smye SW: Effect of a two compartment distribution on apparent urea distribution volume (Technical Note) 1270
Daugirdas JT *See* Leypoldt JK et al 2013
Daugirdas JT *See* Yu AW et al 1986
Dauwe SEH *See* Duymelinck C et al. 1818
Davis JS (abst). 1318
Davis L *See* Sepulveda S et al 2018
Davis LS *See* Hao C-M et al 1831
Davis PF (abst) 1311, 1314
Day R *See* Laframboise M et al 104
De Bisschop E, Allein S, Van der Niepen P, Verbeelen D, Luypaert R, Osteaux M, Malaisse W: Effect of amino acid administration on uremic muscle metabolism: A ^{31}P-spectroscopy study 1182
de Bonis E *See* Hernández D et al 1205

De Broe ME *See* Duymelinck C et al 1818
de Carli M *See* D'Elios MM et al 1876
de Heer E *See* Rupprecht HD et al 694
de Heer F *See* Nieuwhof CMG et al 1596
de Jong PE *See* Apperloo AJ et al 793
de la Torre E (abst) 1326
de Leeuw P *See* Nieuwhof CMG et al 1596
De Paolis P *See* Scoppola A et al 908
de Prez EG *See* Nortier JL et al 288
De Smet R *See* Lindner A et al 1042
de Waart DR *See* Douma CE et al 1885
de Zeeuw D *See* Apperloo AJ et al 793
Deckert J *See* Zitomer RS et al 507
Deetjen P *See* Laich A et al 477
del Prete G *See* D'Elios MM et al 1876
D'Elios MM, Josien R, Manghetti M, Amedei A, de Carli M, Cuturi MC, Blancho G, Buzelin F, del Prete G, Soulillou J-P: Predominant Th1 cell infiltration in acute rejection episodes of human kidney grafts 1876
Denneberg T *See* Endsley JK et al 1893
Depierreux MF *See* Nortier JL et al 288
Deschepper CF *See* Laframboise M et al 104
Deschodt-Lanckman MM *See* Nortier JL et al 288
Di Giulio S *See* Scoppola A et al 908
Diamond JR, Levinson M, Kreisberg R, Ricardo SD: Increased expression of decorin in experimental hydronephrosis 1133
Diamond JR *See* Ding G et al 147
Dick IM, Prince RL: Estrogen effects on the renal handling of calcium in the ovariectomized perfused rat. 1719
Dillon MJ *See* Hulton S-A et al 58:S-83
Ding G, van Goor H, Ricardo SD, Orlowski JM, Diamond JR: Oxidized LDL stimulates the expression of TGF-β and fibronectin in human glomerular epithelial cells 147
Disney APS (abst) 1315, 1316, 1317, 1326, 1326
Dittmer I (abst) 1328
Dixit MP (abst) 1313
Dlugosz J *See* Zhou X et al 1797
Do JY (abst) 963
Donckerwolcke RA, Vande Walle JG: Pathogenesis of edema formation in the nephrotic syndrome 58:S-72
Dooley MA, Hogan S, Jennette C, Falk R, Glomerular Disease Collaborative Network: Cyclophosphamide therapy for lupus nephritis: Poor renal survival in black Americans 1188
Dorsch O *See* Marx M et al 110
Douma CE, de Waart DR, Struijk DG, Krediet RT: The nitric oxide donor nitroprusside intraperitoneally affects peritoneal permeability in CAPD 1885
Dousa TP *See* Chini EN et al 1500
Dowling J (abst) 1306, 1310
Dowling J *See* Stein-Oakley AN et al 195
Drüeke TB *See* Gogusev J et al 328
Drüeke TB *See* London GM et al 1678
DuBose TD Jr.: Hyperkalemic hyperchloremic metabolic acidosis: Pathophysiologic insights (Nephrology Forum) 591
Duchambon P *See* Gogusev J et al 328
Dufourcq P *See* Combe C et al 1703
Duggan KA (abst) 1309, 1309
Dumoulin G, Hory B, Nguyen NU, Henriet M-T, Bresson C, Bittard H, Saint-Hillier Y, Regnard J: Lack of increased urinary calcium-oxalate supersaturation in long-term kidney transplant recipients 804
Dunbar PR (abst) 1311
Dunkel L, Raivio T, Laine J, Holmberg C: Circulating luteinizing hormone receptor inhibitor(s) in boys with chronic renal failure 777
Dunn SR *See* Sharma K et al 1980
Durham SK *See* Powell DR et al 1970
Dussaule J-C *See* Tharaux P-L et al 1780
Duymelinck C, Dauwe SEH, Nouwen EJ, De Broe ME, Verpooten GA: Cholesterol feeding accentuates the cyclosporine-induced elevation of renal plasminogen activator inhibitor type 1 1818
Dymock RB (abst) 1315
Dziadek M (abst) 1312
Dziadek M *See* Wu LL et al 1553

E

Earm JH (abst) 966
Ebeling PR (abst) 1308, 1329, 1329
Ebert BL *See* Ratcliffe PJ et al 514
Eckardt K-U *See* Göpfert T et al 502
Edelstein CL, Ling H, Schrier RW: The nature of renal cell injury 1341
Egido J *See* González-Cuadrado S et al 1739
Ehleben W, Porwol T, Fandrey J, Kummer W, Acker H: Cobalt and desferrioxamine reveal crucial members of the oxygen sensing pathway in HepG2 cells 483
Ehleben W *See* Fandrey J et al 492
Eitner F, Westerhuis R, Burg M, Weinhold B, Gröne H-J, Ostendorf T, Rüther U, Koch K-M, Rees AJ, Floege J: Role of interleukin-6 in mediating mesangial cell proliferation and matrix production *in vivo* 69
Eklöf A-C *See* Serlachius E et al 1855
El-Dahr SS, Figueroa CD, Gonzalez CB, Müller-Esterl W: Ontogeny of bradykinin B_2 receptors in the rat kidney: Implications for segmental nephron maturation 739
Ellezian L *See* Heyman SN et al 653
Elliott P (abst) 1326
Ellis J (abst) 1320
Emoto M *See* Ishimura E et al 1920
Endre ZH (abst) 1307
Endsley JK, Phillips JA III, Hruska KA, Denneberg T, Carlson J, George AL Jr.: Genomic organization of a human cystine transporter gene (*SLC3A1*) and identification of novel mutations causing cystinuria 1893
England BK *See* Modification of Diet in Renal Disease Study Group et al 1908
Epstein FH: Oxygen and renal metabolism 381
Erlich J (abst) 1310
Erlich JH (abst) 1313, 1320
Erslev AJ, Besarab A: Erythropoietin in the pathogenesis and treatment of the anemia of chronic renal failure (Editorial Review) 622
Esposito C *See* Striker LJ et al 58:S-62
European Study of the Progression of Renal Disease in Type 1 (Insulin Dependent) Diabetes (ESPRIT) Study Group *See* MacLeod JM 1624

F

Facchinetti D *See* Corna D et al 1583
Fairley K (abst) 1320
Falck JR *See* Carroll MA et al 1696
Falk MC (abst) 1322
Falk R *See* Dooley MA et al 1188
Faller G *See* Rupprecht HD et al 694

Fan X, Oertli B, Wüthrich RP: Up-regulation of tubular epithelial interleukin-12 in autoimmune MRL-*Fas*^{lpr} mice with renal injury ... 79
Fandrey J, Frede S, Ehleben W, Porwol T, Acker H, Jelkmann W: Cobalt chloride and desferrioxamine antagonize the inhibition of erythropoietin production by reactive oxygen species ... 492
Fandrey J *See* Ehleben W et al ... 483
Fandrey J *See* Jelkmann W et al ... 497
Fanestil DD, Vaughn DA, Ma L, Hyde RH, Printz MP: Thiazide diuretics normalize urinary calcium in spontaneously hypertensive male rats ... 1018
Farber HW *See* Graven KK et al ... 426
Farrell T (abst) ... 1306
Ferguson DJP *See* Maxwell PH et al ... 393
Ferreira AT *See* Hadad SJ et al ... 87
Fervenza FC, Tsao T, Hoffman AR, Rabkin R: Regional changes in the intrarenal insulin-like growth factor-I axis in diabetes ... 811
Fervenza FC *See* Ike JO et al ... 840
Field MJ (abst) ... 1306, 1307, 1323
Fierlbeck W *See* Geiger H et al ... 750
Figueroa CD *See* El-Dahr SS et al ... 739
Filisko T *See* Millhorn DE et al ... 527
Findlay CA (abst) ... 1322
Findon G (abst) ... 1327, 1328
Fine RN *See* Yadin O et al ... 58:S-114
Fiorelli G *See* Sampietro M et al ... 348
First MR: Xenotransplantation: Social, ethical, religious, and political issues ... 58:S-46
Firth JD *See* Ratcliffe PJ et al ... 514
Fischer E *See* Xu Y et al ... 138
Fischereder M, Luckow B, Sitter T, Schröppel B, Banas B, Schlöndorff D: Immortalization and characterization of human peritoneal mesothelial cells (Technical Note) ... 2006
Fisher M, Pusey CD, Vaughan RW, Rees AJ: Susceptibility to anti-glomerular basement membrane disease is strongly associated with HLA-DRB1 genes ... 222
Fisher SJ *See* Damsky CH et al ... 1427
Fishman JA: Xenosis and xenotransplantation: Addressing the infectious risks posed by an emerging technology ... 58:S-41
Flanagan M *See* Shankland SJ et al ... 1088
Fliser D, Franek E, Joest M, Block S, Mutschler E, Ritz E: Renal function in the elderly: Impact of hypertension and cardiac function ... 1196
Floege J, Hackmann B, Kliem V, Kriz W, Alpers CE, Johnson RJ, Kühn KW, Koch K-M, Brunkhorst R: Age-related glomerulosclerosis and interstitial fibrosis in Milan normotensive rats: A podocyte disease ... 230
Floege J, Hudkins KL, Seifert RA, Francki A, Bowen-Pope DF, Alpers CE: Localization of PDGF α-receptor in the developing and mature human kidney ... 1140
Floege J *See* Eitner F et al ... 69
Floege J *See* Zwirner J et al ... 1257
Flyvbjerg A *See* Christiansen T et al ... 50
Fogo A, Breyer JA, Smith MC, Cleveland WH, Agodoa L, Kirk KA, Glassock R, AASK Pilot Study Investigators: Accuracy of the diagnosis of hypertensive nephrosclerosis in African Americans: A report from the African American Study of Kidney Disease (AASK) Trial ... 244
Fogo A *See* Oikawa T et al ... 164
Forbes J (abst) ... 1321
Forbes JM (abst) ... 1312
Ford M (abst) ... 1310
Ford MD (abst) ... 1308
Ford MD, Cauchi J, Greferath U, Bertram JF: Expression of fibroblast growth factors and their receptors in rat glomeruli ... 1729
Fornaro M *See* Zheng D-Q et al ... 1434
Forssmann W-G *See* Hirsch JR et al ... 473
Forsythe J *See* Semenza GL et al ... 553
Foxall P *See* Lindner A et al ... 1042
Fraenkel MB (abst) ... 1322, 1322
Francis D (abst) ... 1327
Francki A *See* Floege J et al ... 1140
Franco-Obregón A *See* López-Barneo J et al ... 454
Frane JW *See* Powell DR et al ... 1970
Franek E *See* Fliser D et al ... 1196
Fransen R *See* Boer WH et al ... 44
Fraser I (abst) ... 1314
Frazier-Jessen M *See* Wahl SM et al ... 1370
Frede S *See* Fandrey J et al ... 492
Freedman BI, Yu H, Spray BJ, Rich SS, Rothschild CB, Bowden DW: Genetic linkage analysis of growth factor loci and end-stage renal disease in African Americans ... 819
Freeman M *See* Oikawa T et al ... 164
Friedman PA *See* Dai L-J et al ... 1008
Friedman PA *See* Dai L-J et al ... 1710
Fries E *See* Lindström KE et al ... 1053
Fuchs S *See* Heyman SN et al ... 653
Fuchshuber A *See* Niaudet P et al ... 58:S-85
Fujita T *See* Hirakata M et al ... 1028
Fujiwara K *See* Hayashi K et al ... 1507
Fukiyama K *See* Iseki K et al ... 1212
Fukiyama. K *See* Iseki K et al ... 850
Fukumoto S *See* Ishimura E et al ... 1920
Fukunaga M *See* Nassar GM et al ... 1520
Fulladosa X *See* Serón D et al ... 310
Fürst J *See* Laich A et al ... 477

G

Gåfvels M *See* Ando M et al ... 785
Gagnadoux MF *See* Niaudet P et al ... 58:S-85
Gaits F, Salles J-P, Chap H: Dual effect of lysophosphatidic acid on proliferation of glomerular mesangial cells ... 1022
Galle J, Heinloth A, Schwedler S, Wanner C: Effect of HDL and atherogenic lipoproteins on formation of O_2^- and renin release in juxtaglomerular cells ... 253
Galson D *See* Huang LE et al ... 548
Ganz P *See* Briscoe DM et al ... 58:S-22
Garbar C *See* Jadoul M et al ... 1928
García del Moral R *See* González-Cuadrado S et al ... 1739
Gardner J (abst) ... 1316
Garn JS: What doctors don't know about kidneys ... 1340
Garrahy P (abst) ... 1322
Garred L *See* Canaud B et al ... 2000
Garry RF *See* Scandurro AB et al ... 579
Gassmann M, Kvietikova I, Rolfs A, Wenger RH: Oxygen- and dioxin-regulated gene expression in mouse hepatoma cells ... 567
Gassmann M *See* Kvietikova I et al ... 564
Gassmann M *See* Marti HH et al ... 416
Gassmann M *See* Wenger RH et al ... 560
Gauer S, Yao J, Schoecklmann HO, Sterzel RB: Adhesion molecules in the glomerular mesangium ... 1447
Geb B *See* Göpfert T et al ... 502

Geiger H, Fierlbeck W, Mai M, Ruchti H, Schönfeld V, Dämmrich J, Hugo C, Neumayer HH: Effects of early and late antihypertensive treatment on extracellular matrix proteins and mononuclear cells in uninephrectomized SHR 750
Genter MB *See* Millhorn DE et al 527
George AL Jr. *See* Endsley JK et al 1893
Germain MJ *See* Braden GL et al 1867
Gerritsma JSJ *See* van Kooten C et al 711
Gess B *See* Sandner P et al 448
Gesualdo L, Grandaliano G, Ranieri E, Monno R, Montinaro V, Manno C, Schena FP: Monocyte recruitment in cryoglobulinemic membranoproliferative glomerulonephritis: A pathogenetic role for monocyte chemotactic peptide-1 .. 155
Ghanem H *See* van den Dorpel MA et al 1608
Gi H (abst) 968
Giachelli CM *See* Malyankar UM et al 1766
Gianoglio B *See* Amore A et al 27
Giebisch G: Presentation of the 1997 A.N. Richards Award to Alexander Leaf 2045
Giebisch G: Presentation of the 1997 A.N. Richards Award to Klaus Thurau 2052
Gilbert R (abst) 1312, 1312
Gilbert RE *See* Wu LL et al 1553
Gil-Vernet S *See* Serón D et al 310
Gin H *See* Rigalleau V et al 1222
Giovannini M *See* Gogusev J et al 328
Glassock R *See* Fogo A et al 244
Glassock RJ: Management of intractable edema in nephrotic syndrome 58:S-75
Gleadle JM *See* Ratcliffe PJ et al 514
Gleizes P-E *See* Munger JS et al 1376
Glidden P (abst) 1326
Globus RK *See* Damsky CH et al 1427
Glomerular Disease Collaborative Network *See* Dooley MA et al 1188
Gluck SL *See* Sabolić I et al 125
Gogusev J, Duchambon P, Hory B, Giovannini M, Goureau Y, Sarfati E, Drüeke TB: Depressed expression of calcium receptor in parathyroid gland tissue of patients with hyperparathyroidism 328
Goldberg MA *See* Levy AP et al 575
Goligorsky MS, Noiri E, Kessler H, Romanov V: Therapeutic potential of RGD peptides in acute renal injury 1487
Gonzalez CB *See* El-Dahr SS et al 739
González-Cuadrado S, Lorz C, García del Moral R, O'Valle F, Alonso C, Ramiro F, Ortiz-González A, Egido J, Ortiz A: Agonistic anti-Fas antibodies induce glomerular cell apoptosis in mice *in vivo* 1739
González-Posada JM *See* Hernández D et al 1205
Goodman WG, Veldhuis JD, Belin TR, Juppner H, Salusky IB: Suppressive effect of calcium on parathyroid hormone release in adynamic renal osteodystrophy and secondary hyperparathyroidism 1590
Gopalakrishnakone P *See* Ponraj D et al 1956
Göpfert T, Eckardt K-U, Geb B, Kurtz A: Oxygen-dependent regulation of erythropoietin gene expression in rat hepatocytes 502
Goppelt-Struebe M *See* Hartner A et al 1754
Gordon KL *See* Shankland SJ et al 1088
Görich J *See* Mickley V et al 277
Gorrie MJ (abst) 1322
Götze O *See* Zwirner J et al 1257
Goureau Y *See* Gogusev J et al 328
Gracey M (abst) 1318
Grandaliano G *See* Gesualdo L et al 155
Grande JP *See* Chini EN et al 1500
Graven KK, Farber HW: Endothelial hypoxic stress proteins 426
Gray D (abst) 1325
Graziani G *See* Sampietro M et al 348
Green F (abst) 1322, 1325
Greene T *See* Leypoldt JK et al 2013
Greene T *See* Modification of Diet in Renal Disease Study Group et al 1908
Greenhill NS (abst) 1311
Greenwood CMT *See* Cattran DC et al 901
Greferath U *See* Ford MD et al 1729
Gretz N *See* Hildebrandt F et al 261
Gretz N *See* Kränzlin B et al 1160
Griffith DL *See* Sugimori T et al 1454
Grillo C *See* Amore A et al 27
Grinyó JM *See* Serón D et al 310
Gröne H-J *See* Eitner F et al 69
Gross KW *See* Laframboise M et al 104
Grzeszczak W *See* Strojek KNN et al 1602
Gschwentner M *See* Laich A et al 477
Guasch A, Cua M, You W, Mitch WE: Sickle cell anemia causes a distinct pattern of glomerular dysfunction 826
Guia S *See* Rougier J-P et al 337
György AZ (abst) 1307, 1307, 1315, 1323

H

Ha H (abst) 967
Ha HJ (abst) 947
Ha IS (abst) 967
Ha JH (abst) 954
Ha KS (abst) 954
Ha SG (abst) 956
Ha SK (abst) 946, 965
Haag BL *See* Braden GL et al 1867
Habib R: Acceptance of the 1997 Jean Hamburger Award 2060
Habib R *See* Niaudet P et al 58:S-85
Hackmann B *See* Floege J et al 230
Hadad SJ, Ferreira AT, Oshiro MEM, Neri R, Schor N: Alteration of cytosolic calcium induced by angiotensin II and norepinephrine in mesangial cells from diabetic rats 87
Haddad GG: K^+ ions and channels: Mechanisms of sensing O_2 deprivation in central neurons 467
Hafdi Z, Lesavre P, Tharaux PL, Bessou G, Baruch D, Halbwachs-Mecarelli L: Role of α_v integrins in mesangial cell adhesion to vitronectin and von Willebrand factor 1900
Hagar H, Ueda N, Shah SV: Tyrosine phosphorylation in DNA damage and cell death in hypoxic injury to LLC-PK_1 cells 1747
Hague W (abst) 1317
Haj-Yehia A *See* Heyman SN et al 1619
Halbwachs-Mecarelli L *See* Hafdi Z et al 1900
Hall BM (abst) 1325
Hall BM *See* Penny MJ et al 1059
Hamai K *See* Imai H et al 270
Hammes MS *See* Lieske JC et al 679
Han BG (abst) 949
Han DC (abst) 947, 947, 959, 961

Han DJ (abst) 961
Han DS (abst) . 946, 948, 948, 958, 959, 959, 959, 960, 963, 965
Han JS (abst) 947, 947, 948, 949, 949, 963, 964
Hancock WW (abst) 1325
Hancock WW: Beyond hyperacute rejection: Strategies for development of pig→primate xenotransplantation. . 58:S-36
Hancock WW: The past, present, and future of renal xenotransplantation (Nephrology Forum) 932
Haneda M *See* Araki S- et al. 631
Haneda M *See* Nakagawa T et al 1774
Hanique G *See* Jadoul M et al 1928
Hanna JD *See* Kuemmerle N et al 58:S-102
Hao C-M, Breyer RM, Davis LS, Breyer MD: Intrarenal distribution of rabbit PKC zeta 1831
Haraguchi M, Okamura M, Konishi M, Konishi Y, Negoro N, Inoue T, Kanayama Y, Yoshikawa J-: Anti-angiogenic compound (TNP-470) inhibits mesangial cell proliferation *in vitro* and *in vivo* 1838
Haraldsson B *See* Johansson A-C et al 855
Haraldsson B *See* Lindström KE et al. 1053
Hardie IR (abst) 1328
Hardie R (abst) 1322
Harendza S *See* Zahner G et al. 1116
Harpel JG *See* Munger JS et al. 1376
Harris DCH (abst). 1314, 1323, 1329, 1329
Harris KPG *See* Combe C et al. 1703
Hartner A, Goppelt-Struebe M, Hocke GM, Sterzel RB: Differential regulation of chemokines by leukemia inhibitory factor, interleukin-6 and oncostatin M. 1754
Hasan Q (abst) 1311
Hasegawa T *See* Nakayama M et al 182
Hawley C (abst). 1315
Hawley CM (abst) 1322
Hayakawa H *See* Nakayama M et al 182
Hayase F *See* Niwa T et al 187
Hayase Y *See* Nakagawa T et al 1774
Hayashi K, Fujiwara K, Oka K, Nagahama T, Matsuda H, Saruta T: Effects of insulin on rat renal microvessels: Studies in the isolated perfused hydronephrotic kidney 1507
Hayhurst B (abst) 1318
Hazama F *See* Nakagawa T et al. 1774
He C *See* Alexander JJ et al 1124
Heale WF (abst) 1327
Healy H (abst) 1312, 1327
Heikkilä P *See* Tryggvason K et al. 1493
Heinloth A *See* Galle J et al 253
Hellwig T *See* Jelkmann W et al 497
Helmchen UM *See* Wenzel U et al. 770
Hemodialysis (HEMO) Study *See* Leypoldt JK et al. 2013
Henning PH (abst) 1305, 1313, 1315
Henriet M-T *See* Dumoulin G et al 804
Heo JM (abst). 951
Hernández D, Lacalzada J, Rufino M, Torres A, Martín N, Barragán A, Barrios Y, Macía M, de Bonis E, Lorenzo V, Rodríguez A, González-Posada JM, Salido E: Prediction of left ventricular mass changes after renal transplantation by polymorphism of the angiotensin-converting-enzyme gene 1205
Herrin J (abst). 1326
Hewitson T (abst) 1314, 1321, 1321
Hewitson TD (abst) 1312, 1321
Hewitt I (abst). 1318
Heyman SN, Fuchs S, Jaffe R, Shina A, Ellezian L, Brezis M, Rosen S: Renal microcirculation and tissue damage during acute ureteral obstruction in the rat: Effect of saline infusion, indomethacin and radiocontrast 653
Heyman SN, Karmeli F, Rachmilewitz D, Haj-Yehia A, Brezis M: Intrarenal nitric oxide monitoring with a Clark-type electrode: Potential pitfalls (Technical Note) 1619
Hibi K *See* Umemura S et al. 1548
Higashiyama S *See* Nakagawa T et al 1774
Hilal G *See* Zuo Q et al 1991
Hildebrandt F, Strahm B, Nothwang H-G, Gretz N, Schnieders B, Singh-Sawhney I, Kutt R, Vollmer M, Brandis M, Members of the APN Study Group: Molecular genetic identification of families with juvenile nephronophthisis type 1: Rate of progression to renal failure 261
Himmelfarb J, Holbrook D, McMonagle E, Ault K: Increased reticulated platelets in dialysis patients 834
Hinds TR *See* Lindner A et al. 1042
Hinghofer-Szalkay H *See* Scharfetter H et al. 1078
Hintz RL *See* Ike JO et al. 840
Hintz RL *See* Powell DR et al. 1970
Hirakata M, Kaname S, Chung U-G, Joki N, Hori Y, Noda M, Takuwa Y, Okazaki T, Fujita T, Katoh T, Kurokawa K: Tyrosine kinase dependent expression of TGF-β induced by stretch in mesangial cells 1028
Hiralall JK *See* Ho-dac-Pannekeet MM et al 888
Hirsch JR, Cermak R, Forssmann W-G, Kleta R, Kruhøffer M, Kuhn M, Schafer JA, Sun D, Schlatter E: Effects of sodium nitroprusside in the rat cortical collecting duct are independent of the NO pathway 473
Ho K (abst) 1326
Ho V *See* Huang LE et al 548
Hocke GM *See* Hartner A et al. 1754
Ho-dac-Pannekeet MM, Hiralall JK, Struijk DG, Krediet RT: Longitudinal follow-up of CA125 in peritoneal effluent. 888
Hodge G (abst) 1309
Hoe HJ (abst) 967
Hofer G *See* Rupprecht HD et al 694
Hofer S *See* Laich A et al 477
Hoffman AR *See* Fervenza FC et al 811
Hoffman AR *See* Ike JO et al 840
Hogan S *See* Dooley MA et al. 1188
Hogg RJ *See* Powell DR et al 1970
Holbrook D *See* Himmelfarb J et al 834
Holdsworth S (abst). 1310
Holdsworth SR (abst) 1313, 1319, 1319, 1320, 1324, 1325
Holdsworth SR *See* Huang X-R et al 94
Holdsworth SR *See* Li S et al 672
Holers VM *See* Alexander JJ et al. 1124
Holmberg C *See* Dunkel L et al 777
Holmberg C *See* Männikkö M et al. 868
Holmes CJ (abst). 1322
Hong CD (abst) 955, 957
Hong HJ (abst) 970
Hong SB (abst) 955
Hong SH (abst) 969
Hong SP (abst) 960, 963, 967, 967, 970
Hong SY (abst) 954
Hong YS (abst) 966
Honkanen E *See* Cattran DC et al 901
Hood J (abst) 1320

Hoppe J *See* Beavis MJ et al. 205
Hori Y *See* Hirakata M et al. 1028
Horie K *See* Miyata T et al. 1170
Horio M *See* Akagi Y et al. 1265
Horio M *See* Yamauchi A et al. 1847
Horiuchi S *See* Nakayama M et al. 182
Hornibook J (abst) 1316
Horsburgh T *See* Combe C et al. 1703
Hory B *See* Dumoulin G et al. 804
Hory B *See* Gogusev J et al. 328
Hosoi M *See* Ishimura E et al. 1920
Hou FF, Chertow GM, Kay J, Boyce J, Lazarus JM, Braatz JA, Owen WF Jr.: Interaction between β2-microglobulin and advanced glycation end products in the development of dialysis-related amyloidosis. 1514
Howard D (abst) 1318
Howard J (abst). 1329
Hoy W (abst) 1318, 1318
Hoyer JR *See* Lieske JC et al 679
Hruska KA *See* Endsley JK et al. 1893
Hsieh T-J *See* Shin S-J et al 1100
Hu D (abst). 954
Huang D-D *See* Carroll MA et al 1696
Huang LE, Ho V, Arany Z, Krainc D, Galson D, Tendler D, Livingston DM, Bunn HF: Erythropoietin gene regulation depends on heme-dependent oxygen sensing and assembly of interacting transcription factors 548
Huang TP *See* Yang AH et al. 1280
Huang XR (abst) 1319, 1325
Huang X-R, Tipping PG, Shuo L, Holdsworth SR: Th1 responsiveness to nephritogenic antigens determines susceptibility to crescentic glomerulonephritis in mice . . . 94
Hudkins KL *See* Floege J et al 1140
Hugo C *See* Geiger H et al 750
Huh MH (abst) 965
Huh WS (abst). 947, 947, 949
Hulter HN *See* Brüngger M et al 216
Hulton S-A, Neuhaus TJ, Callard RE, Dillon MJ, Barratt TM: Circulating interleukin 2 receptor (IL2R) in nephrotic syndrome 58:S-83
Hunsicker LG *See* Modification of Diet in Renal Disease Study Group et al 1908
Hunt C (abst) 1329
Hutten H *See* Scharfetter H et al 1078
Huxtable C (abst) 1320
Hwang JH (abst). 952
Hwang PJ (abst) 970
Hwang SD (abst). 959, 961
Hyde RH *See* Fanestil DD et al 1018
Hylander B (abst) 1326

I

Ihm CG (abst). 960, 963, 965, 967, 967, 970
Iida Y *See* Miyata T et al 880
Iida Y *See* Miyata T et al 1170
Ikawa M *See* Akagi Y et al 1265
Ike JO, Fervenza FC, Hoffman AR, Yeh I, Hintz RL, Liu F, Rabkin R: Early experience with extended use of insulin-like growth factor-1 in advanced chronic renal failure 840
Ikemiya Y *See* Iseki K et al. 850
Iliopoulos O *See* Levy AP et al 575
Imai E *See* Akagi Y et al. 1265
Imai E *See* Yamauchi A et al 1847
Imai H, Hamai K, Komatsuda A, Ohtani H, Miura AB: IgG subclasses in patients with membranoproliferative glomerulonephritis, membranous nephropathy, and lupus nephritis 270
Inaba M *See* Ishimura E et al 1920
Ing TS *See* Yu AW et al 1986
Inkster JA (abst) 1316
Inoue T *See* Haraguchi M et al 1838
Iredale JP *See* Maxwell PH et al. 393
Irish A (abst) 1322, 1325
Irish AB (abst). 1309
Isaka Y *See* Akagi Y et al 1265
Iseki K, Ikemiya Y, Fukiyama. K: Risk factors of end-stage renal disease and serum creatinine in a community-based mass screening. 850
Iseki K, Miyasato F, Tokuyama K, Nishime K, Uehara H, Shiohira Y, Sunagawa H, Yoshihara K, Yoshi S, Toma S, Kowatari T, Wake T, Oura T, Fukiyama K: Low diastolic blood pressure, hypoalbuminemia, and risk of death in a cohort of chronic hemodialysis patients 1212
Ishigami T *See* Umemura S et al. 1548
Ishii M *See* Umemura S et al 1548
Ishimura E, Nishizawa Y, Kawagishi T, Kogawa K, Okuno Y, Fukumoto S, Maekawa K, Hosoi M, Inaba M, Emoto M, Morii H: Intrarenal hemodynamic abnormalities in diabetic nephropathy measured by duplex Doppler sonography 1920
Ito O, Kondo Y, Oba M, Takahashi N, Omata K, Abe K: Tyrosine kinase, phosphatidylinositol 3-kinase, and protein kinase C regulate insulin-stimulated NaCl absorption in the thick ascending limb. 1037
Ittner KP *See* Krämer BK et al 444
Iyer N *See* Semenza GL et al 553

J

Jackson TJ (abst). 1321
Jadoul M, Garbar C, Noël H, Sennesael J, Vanholder R, Bernaert P, Rorive G, Hanique G, van Ypersele de Strihou C: Histological prevalence of β2-microglobulin amyloidosis in hemodialysis: A prospective post-mortem study. 1928
Jadoul M *See* Miyata T et al 880
Jaffe R *See* Heyman SN et al 653
Jahnke M *See* Serlachius E et al 1855
Jain RK *See* Briscoe DM et al. 58:S-22
Jang ID (abst) 954
Jang JW (abst) 961
Jang SJ (abst) 945
Jang YS (abst). 969
Jansen H *See* van den Dorpel MA et al 1608
Jelkmann W, Pagel H, Hellwig T, Fandrey J: Effects of antioxidant vitamins on renal and hepatic erythropoietin production 497
Jelkmann W *See* Fandrey J et al. 492
Jennette C *See* Dooley MA et al. 1188
Jennings G (abst). 1320
Jeon JB (abst) 956
Jeon US (abst) 948, 949, 949
Jeong IK (abst) 960
Jeong JY *See* Lee HS et al 1151
Jeong YS (abst). 954
Jerums G (abst). 1309
Jiang B-H *See* Semenza GL et al 553
Jiang C *See* Levy AP et al. 575

Jin DC (abst) 962, 965, 969, 969
Jin DK (abst) 949, 968
Jin WW *See* Wahl SM et al 1370
Jo SK (abst) 962, 964
Joest M *See* Fliser D et al 1196
Johansson A-C, Attman P-O, Haraldsson B: Creatinine generation rate and lean body mass: A critical analysis in peritoneal dialysis patients 855
Johns O *See* Schurek H-J et al 386
Johnson DW (abst) 1306, 1307, 1323
Johnson MH *See* Maxwell PH et al 393
Johnson RJ *See* Floege J et al 230
Johnson RJ *See* Malyankar UM et al 1766
Johnson RJ *See* Shankland SJ et al 1088
Johnsson E *See* Lindström KE et al 1053
Joki N *See* Hirakata M et al 1028
Jones C (abst) 1321
Jones CI (abst) 1312
Josien R *See* D'Elios MM et al 1876
Julian SL (abst) 1327
Jung KS (abst) 957
Jung YY (abst) 948, 949
Jungermann K, Kietzmann T: Role of oxygen in the zonation of carbohydrate metabolism and gene expression in liver 402
Jungermann K *See* Kietzmann T et al 542
Juppner H *See* Goodman WG et al 1590
Jureidini KF (abst) 1305, 1313, 1315
Jutras I *See* Laframboise M et al 104
Jyo Y *See* Sasaki T et al 301

K

Kaelin WG Jr. *See* Levy AP et al 575
Kagami S, Kuhara T, Okada K, Kuroda Y, Border WA, Noble NA: Dual effects of angiotensin II on the plasminogen/plasmin system in rat mesangial cells 664
Kahng KW (abst) 953, 960, 962
Kam BK (abst) 954
Kaname S *See* Hirakata M et al 1028
Kanayama Y *See* Haraguchi M et al 1838
Kang CM (abst) 953, 960, 962
Kang DH (abst) 952, 956, 956
Kang ES (abst) 958
Kang ET (abst) 952
Kang JY (abst) 957
Kang MJ *See* Park SK et al 762
Kang SK (abst) 953
Kang SK *See* Park SK et al 762
Kang SW (abst) 946, 958, 959, 959, 959, 960, 965
Kang YJ (abst) 950, 950, 954, 954
Kanwar YS *See* Wada J et al 1629
Kapor-Drezgic J *See* Zhou X et al 1797
Karmeli F *See* Heyman SN et al 1619
Kashtan CE: Alport syndrome 58:S-69
Kasinath BS (abst) 964
Katerelos M (abst) 1324
Katoh N *See* Nakayama M et al 182
Katoh T *See* Hirakata M et al 1028
Katsoulis J (abst) 1322
Katsuzaki T *See* Niwa T et al 187
Kawagishi T *See* Ishimura E et al 1920
Kawaguchi Y *See* Nakayama M et al 182
Kawakami Y *See* Sasaki T et al 301
Kay J *See* Hou FF et al 1514
Kędziora J *See* Rysz J et al 294
Keeley S (abst) 1305
Keller C *See* Strojek KNN et al 1602
Kelly JJ (abst) 1328
Kelynack K (abst) 1321
Kemeny E *See* Solez K et al 1476
Kemp GJ (abst) 1306, 1309
Kennedy B *See* Ziegler MG et al 324
Kerr PG (abst) 1326, 1329
Keshaviah PR *See* Leypoldt JK et al 2013
Kessler H *See* Goligorsky MS et al 1487
Kestilä M *See* Männikkö M et al 868
Key B (abst) 1308
Kietzmann T, Bratke J, Jungermann K: Diminution of the O_2 responsiveness of the glucagon-dependent activation of the phosphoenolpyruvate carboxykinase gene in rat hepatocytes by long-term culture at venous PO_2 542
Kietzmann T *See* Jungermann K et al 402
Kihara M *See* Umemura S et al 1548
Kikkawa R *See* Araki S- et al 631
Kikkawa R *See* Nakagawa T et al 1774
Kile E (abst) 1318
Kim AR (abst) 968
Kim BC *See* Lee HS et al 1151
Kim BH (abst) 950
Kim BK (abst) 962
Kim CD (abst) 951, 957, 962
Kim DH (abst) 954, 956, 968
Kim DY (abst) 965
Kim G-H (abst) 948, 949, 949
Kim HC (abst) 946, 963, 969, 970, 970
Kim HJ (abst) 945, 945, 948, 948, 957, 957, 960, 963, 966
Kim HK (abst) 955, 962, 964, 964, 968, 968
Kim HS (abst) 953, 956, 965, 968
Kim HY (abst) 949, 961, 966
Kim IJ (abst) 970
Kim IS (abst) 963, 964
Kim J (abst) 948, 964, 967
Kim JH (abst) 947, 947, 949, 951, 957, 959, 962, 970
Kim JK (abst) 954
Kim JS (abst) 970
Kim JY (abst) 949
Kim KH (abst) 947, 967, 969
Kim KJ (abst) 958
Kim KR (abst) 949
Kim KY (abst) 954
Kim MJ (abst) 955, 956, 960, 960, 963, 967, 967, 970
Kim MK (abst) 950
Kim MS (abst) 954
Kim NH (abst) 950, 950, 954, 954, 955
Kim PK (abst) 961, 970
Kim S (abst) 947, 947, 948, 949, 949, 963, 964
Kim SB (abst) 955, 957, 958, 958, 958
Kim SE (abst) 947, 969
Kim SH *See* Park SK et al 762
Kim SI (abst) 966
Kim SJ (abst) 949, 951, 957, 961, 962, 968
Kim SK (abst) 948, 957, 966
Kim SM (abst) 945, 948, 948, 953, 960, 962, 962
Kim SR (abst) 952
Kim SS (abst) 970
Kim SW (abst) 950, 950, 954, 954
Kim SY (abst) 946, 955, 961, 965, 965, 967, 969, 969
Kim YG (abst) 950, 953, 968
Kim YH (abst) 948, 951

Kim YJ (abst) 947, 969
Kim YK (abst) 951
Kim YL (abst) 951, 952, 953, 957, 962
Kim YO (abst) 961, 965, 966, 969, 969
Kim YS (abst) 961, 961, 962, 964, 964, 965, 968, 968
Kim YS *See* Lee HS et al 1151
Kimmel PL *See* Bódi I et al 1568
Kincaid-Smith. P: Acceptance of the 1997 Jean Hamburger Award 2062
Kirk KA *See* Fogo A et al 244
Kirkland G (abst) 1323
Kirkland GS (abst) 1315, 1319
Kirubakaran MG (abst) 1318
Kitamura H *See* Yamauchi A et al 1847
Kitamura M, Sütö TS: Transfer of genetically engineered macrophages into the glomerulus (Technical Note) 1274
Kitching AR (abst) 1314, 1324
Kleinman KS *See* Tan AU Jr. et al 317
Klener P Jr. *See* Chini EN et al 1500
Kleta R *See* Hirsch JR et al 473
Kliem V *See* Floege J et al 230
Klotman PE *See* Bódi I et al 1568
Knight JF (abst) 1305, 1306
Knutson JC *See* Tan AU Jr. et al 317
Ko CW (abst) 964, 967
Kobayashi S *See* Millhorn DE et al 527
Koch K-M *See* Eitner F et al 69
Koch K-M *See* Floege J et al 230
Koch K-M *See* Zwirner J et al 1257
Kogawa K *See* Ishimura E et al 1920
Koh GY *See* Park SK et al 762
Kohlmeier M, Saupe J, Shearer MJ, Schaefer K, Asmus G: Bone health of adult hemodialysis patients is related to vitamin K status 1218
Komatsuda A *See* Imai H et al 270
Kondo Y *See* Ito O et al 1037
Kone BC (abst) 949
Konieczny BT *See* Coelho SN et al 646
Konishi M *See* Haraguchi M et al 1838
Konishi Y *See* Haraguchi M et al 1838
Koo JH (abst) 967
Koo JR (abst) 968
Koomans HA *See* Boer WH et al 44
Kopp JB *See* Bódi I et al 1568
Kopp JB *See* Wahl SM et al 1370
Kossmann T *See* Marti HH et al 416
Kourembanas S, Morita T, Liu Y, Christou H: Mechanisms by which oxygen regulates gene expression and cell-cell interaction in the vasculature 438
Kowatari T *See* Iseki K et al 1212
Krainc D *See* Huang LE et al 548
Krämer BK, Bucher M, Sandner P, Ittner KP, Riegger GAJ, Ritthaler T, Kurtz A: Effects of hypoxia on growth factor expression in the rat kidney *in vivo* 444
Kränzlin B, Schieren G, Gretz N: Azotemia and extrarenal manifestations in old female Han:SPRD (*cy*/+) rats 1160
Krapf R *See* Brüngger M et al 216
Krediet RT *See* Douma CE et al 1885
Krediet RT *See* Ho-dac-Pannekeet MM et al 888
Kreisberg R *See* Diamond JR et al 1133
Krensky AM: The HLA system, antigen processing and presentation 58:S-2
Kress L (abst) 1328
Krick W *See* Laich A et al 477
Krieg RJ Jr. *See* Kuemmerle N et al 58:S-102
Krishnan R (abst) 1320
Kriz W *See* Floege J et al 230
Kroll SL *See* Czyzyk-Krzeska MF et al 585
Krosowski Z (abst) 1310
Kruhøffer M *See* Hirsch JR et al 473
Ku SH (abst) 956, 968
Kubo H *See* Nakayama M et al 182
Kuemmerle N, Krieg RJ Jr., Latta K, Challa A, Hanna JD, Chan JCM: Growth hormone and insulin-like growth factor in non-uremic acidosis and uremic acidosis 58:S-102
Kuhara T *See* Kagami S et al 664
Kühn KW *See* Floege J et al 230
Kuhn M *See* Hirsch JR et al 473
Kumar A *See* Wada J et al 1629
Kummer W *See* Ehleben W et al 483
Kurnik BRC *See* Sharma K et al 1980
Kurnik PB *See* Sharma K et al 1980
Kuroda Y *See* Kagami S et al 664
Kurokawa K: Report of the ISN President-Elect 2040
Kurokawa K *See* Hirakata M et al 1028
Kurokawa K *See* Miyata T et al 880
Kurokawa K *See* Miyata T et al 1170
Kurtz A *See* Bauer C et al 371
Kurtz A *See* Göpfert T et al 502
Kurtz A *See* Krämer BK et al 444
Kurtz A *See* Sandner P et al 448
Kusek JW *See* Modification of Diet in Renal Disease Study Group et al 1908
Kutt R *See* Hildebrandt F et al 261
Kvietikova I, Wenger RH, Marti HH, Gassmann M: The hypoxia-inducible factor-1 DNA recognition site is cAMP-responsive 564
Kvietikova I *See* Gassmann M et al 567
Kvietikova I *See* Marti HH et al 416
Kvietikova I *See* Wenger RH et al 560
Kwac YS (abst) 956
Kwak JY (abst) 960, 962
Kweon TW (abst) 958
Kwon HK (abst) 954
Kwon JK (abst) 945, 946, 970
Kwon KH (abst) 958, 959, 959, 959
Kwon MJ (abst) 961
Kwon TH (abst) 951, 952, 953, 957, 962
Kwon YJ (abst) 955, 962, 964, 968
Kyllo DM *See* Tan AU Jr. et al 317

L

Lacalzada J *See* Hernández D et al 1205
Lacka B *See* Strojek KNN et al 1602
Laestadius A *See* Serlachius E et al 1855
Laframboise M, Reudelhuber TL, Jutras I, Brechler V, Seidah NG, Day R, Gross KW, Deschepper CF: Prorenin activation and prohormone convertases in the mouse As4.1 cell line 104
Lai KN (abst) 1319, 1326
Lai KN *See* Yu AW et al 1986
Laich A, Gschwentner M, Krick W, Nagl UO, Fürst J, Hofer S, Susanna A, Schmarda A, Deetjen P, Burckhardt G, Paulmichl M: I_{Cln}, a chloride channel cloned from kidney cells, is activated during regulatory volume decrease 477
Laine J *See* Dunkel L et al 777
Lakkis FG *See* Coelho SN et al 646

Lala A *See* Scoppola A et al 908
Lambauer T *See* Scharfetter H et al 1078
Lan HY (abst) 1313, 1325
Lan HY *See* Chadban SJ et al 1809
Languino LR *See* Zheng D-Q et al 1434
Lash GE (abst) 1330
László Z *See* Scharfetter H et al 1078
Latta K *See* Kuemmerle N et al 58:S-102
Lauwerys RR *See* Nortier JL et al 288
Lawler L (abst) 1316
Lazarus JM *See* Chertow GM et al 1578
Lazarus JM *See* Hou FF et al 1514
Leaf A: Acceptance of the 1997 A.N. Richards Award ... 2049
Leary J (abst) 1328
Leblanc M *See* Canaud B et al 2000
Leclerc M *See* Zuo Q et al 1991
Lee BC (abst) 953
Lee CH (abst) 946, 953
Lee CK (abst) 951
Lee DK (abst) 955
Lee DY *See* Park SK et al 762
Lee EY (abst) 947, 947, 956, 959
Lee GH (abst) 970
Lee HB (abst) 945, 947, 947, 959, 960, 961
Lee HS (abst) 957
Lee HS, Jeong JY, Kim BC, Kim YS, Zhang YZ, Chung HK: Dietary antioxidant inhibits lipoprotein oxidation and renal injury in experimental focal segmental glomerulosclerosis 1151
Lee HY (abst) 946, 958, 959, 959, 959, 960, 965
Lee IH (abst) 945, 957, 958, 959, 959, 959, 966
Lee J (abst) 950, 950, 954
Lee JG (abst) 953
Lee JH (abst) 948, 957, 958, 959, 959, 960, 966
Lee JJ (abst) 954
Lee JM (abst) 954
Lee JS (abst) 947, 947, 948, 949, 949, 958, 963, 964
Lee KB (abst) 950, 953
Lee KH (abst) 949
Lee KW (abst) 970
Lee PDK *See* Powell DR et al 1970
Lee SB (abst) 970
Lee SG (abst) 947
Lee SH (abst) 945, 961, 967, 967
Lee SJ (abst) 947, 966
Lee SK (abst) 957
Lee SR (abst) 954
Lee SW (abst) 955, 956, 960
Lee TH (abst) 945, 946, 970, 970
Lee TW (abst) 960, 963, 967, 967, 970
Lee YH (abst) 950, 953, 968
Lee Y-J *See* Shin S-J et al 1100
Lee YK (abst) 955
Lefkowith JB: Leukocyte migration in immune complex glomerulonephritis: Role of adhesion receptors 1469
Legge M (abst) 1330
Lei J *See* Sandhu S et al 1535
Leisti J *See* Männikkö M et al 868
Lenfant V *See* Amar J et al 1863
Lenkkeri U *See* Männikkö M et al 868
Lepre F (abst) 1315
LeQuesne G (abst) 1315
Lesavre P *See* Hafdi Z et al 1900
Letterio JJ *See* Böttinger EP et al 1355
Leung JCK (abst) 1319
Leung S *See* Semenza GL et al 553
Levey AS *See* Pereira BJG et al 981
Levine BS *See* Tan AU Jr. et al 317
Levinson M *See* Diamond JR et al 1133
Levy AP, Levy NS, Iliopoulos O, Jiang C, Kaelin WG Jr., Goldberg MA: Regulation of vascular endothelial growth factor by hypoxia and its modulation by the von Hippel-Lindau tumor suppressor gene 575
Levy NS *See* Levy AP et al 575
Lew NL *See* Chertow GM et al 1578
Lewis LK (abst) 1308
Leypoldt JK, Cheung AK, Agodoa LY, Daugirdas JT, Greene T, Keshaviah PR, Hemodialysis (HEMO) Study: Hemodialyzer mass transfer-area coefficients for urea increase at high dialysate flow rates (Technical Note) 2013
Lezón CE *See* Bozzini CE et al 413
Li C *See* Zhou X et al 1797
Li L-S *See* Liu Z-H et al 1938
Li S (abst) 1319
Li S, Holdsworth SR, Tipping PG: Antibody independent crescentic glomerulonephritis in μ chain deficient mice 672
Liang K, Vaziri ND: Acquired VLDL receptor deficiency in experimental nephrosis 1761
Liang K, Vaziri ND: Down-regulation of hepatic lipase expression in experimental nephrotic syndrome 1933
Liang K *See* Vaziri ND et al 913
Lichtman AH *See* Briscoe DM et al 58:S-22
Lieske JC, Hammes MS, Hoyer JR, Toback FG: Renal cell osteopontin production is stimulated by calcium oxalate monohydrate crystals 679
Lim AS (abst) 959
Lim HH (abst) 968
Lim SW (abst) 963
Lim TW (abst) 955
Lin YP *See* Yang AH et al 1280
Lindholm B *See* Ando M et al 785
Lindner A, Vanholder R, De Smet R, Hinds TR, Vogeleere P, Sandra P, Foxall P, Ringoir S: HPLC fractions of human uremic plasma inhibit the RBC membrane calcium pump 1042
Lindström KE, Blom A, Johnsson E, Haraldsson B, Fries E: High glomerular permeability of bikunin despite similarity in charge and hydrodynamic size to serum albumin 1053
Ling H *See* Edelstein CL et al 1341
Liu F *See* Ike JO et al 840
Liu F *See* Powell DR et al 1970
Liu Y *See* Kourembanas S et al 438
Liu Z-H, Cheng Z-H, Yu Y-S, Tang Z, Li L-S: Interleukin-1 receptor antagonist allele: Is it a genetic link between Henoch-Schönlein nephritis and IgA nephropathy? 1938
Livingston DM *See* Huang LE et al 548
Llapitan M (abst) 1329
Lo W *See* Oikawa T et al 164
London GM, Drüeke TB: Atherosclerosis and arteriosclerosis in chronic renal failure (Editorial Review) 1678
Lonergan M (abst) 1317
López-Barneo J, Ortega-Sáenz P, Molina A, Franco-Obregón A, Ureña J, Castellano A: Oxygen sensing by ion channels 454
Lorenzo V *See* Hernández D et al 1205

Lorz C *See* González-Cuadrado S et al 1739
Losonczy G, Bloch JF, Samsell L, Schoenl M, Venuto R, Baylis C: Impact of surgery on nitric oxide in rats: Evidence for activation of inducible nitric oxide synthase 1943
Lovett DH *See* Turck J et al 1397
Lowe JB: Selectin ligands, leukocyte trafficking, and fucosyltransferase genes 1418
Lowrie EG *See* Chertow GM et al 1578
Lübbers DW, Baumgärtl H: Heterogeneities and profiles of oxygen pressure in brain and kidney as examples of the pO_2 distribution in the living tissue 372
Luciak M *See* Rysz J et al 294
Luckow B *See* Fischereder M et al 2006
Luckow B *See* Schlöndorff D et al 610
Lundkvist I *See* Ando M et al 785
Lunghi G *See* Sampietro M et al 348
Lutz J *See* Ruggenenti P et al 58:S-97
Luypaert R *See* De Bisschop E et al 1182
Lynn KL (abst) 1308, 1316, 1316, 1316, 1317, 1319

M

Ma L *See* Chertow GM et al 1578
Ma L *See* Fanestil DD et al 1018
MacDonald J (abst) 1317
Macía M *See* Hernández D et al 1205
MacLeod JM, White KE, Tate H, Bilous RW, European Study of the Progression of Renal Disease in Type 1 (Insulin Dependent) Diabetes (ESPRIT) S: Efficient morphometric analysis of glomerular mesangium in insulin-dependent diabetic patients with early nephropathy (Technical Note) 1624
Maderna P *See* Rabb H et al 1463
Maeda K *See* Miyata T et al 880
Maeda K *See* Miyata T et al 1170
Maekawa K *See* Ishimura E et al 1920
Maguire JA (abst) 1306, 1310
Maguire JA *See* Stein-Oakley AN et al 195
Mahan JD *See* van Setten PA et al 1245
Mahiout A, Matata BM, Brunkhorst R: Effect of glucose and pyruvate in acidic and non-acidic peritoneal dialysis fluids on leukocytes cell functions 860
Mahler F *See* Baumgartner I et al 798
Mai M *See* Geiger H et al 750
Makarious MM (abst) 1309
Malaisse W *See* De Bisschop E et al 1182
Maling TM (abst) 1316
Maling TMJ (abst) 1319
Mallick NP, Brenchley PEC, Webb NJA: Minimal change nephropathy and focal segmental glomerulosclerosis 58:S-80
Malyankar UM, Almeida M, Johnson RJ, Pichler RH, Giachelli CM: Osteopontin regulation in cultured rat renal epithelial cells 1766
Man in't Veld AJ *See* van den Dorpel MA et al 1608
Manghetti M *See* D'Elios MM et al 1876
Mangos GJ (abst) 1328
Männikkö M, Kestilä M, Lenkkeri U, Alakurtti H, Holmberg C, Leisti J, Salonen R, Aula P, Mustonen A, Peltonen L, Tryggvason K: Improved prenatal diagnosis of the congenital nephrotic syndrome of the Finnish type based on DNA analysis 868
Manno C *See* Gesualdo L et al 155
Marcinkowski W, Zhang G, Smogorzewski M, Massry SG: Elevation of $[Ca^{2+}]_i$ of renal proximal tubular cells and downregulation of mRNA of PTH-PTHrP, V1a and AT1 receptors in kidney of diabetic rats 1950
Marti HH, Gassmann M, Wenger RH, Kvietikova I, Morganti-Kossmann MC, Kossmann T, Trentz O, Bauer C: Detection of erythropoietin in human liquor: Intrinsic erythropoietin production in the brain 416
Marti HH *See* Kvietikova I et al 564
Marti HH *See* Wenger RH et al 560
Martin AA (abst) 1313
Martín N *See* Hernández D et al 1205
Martínez MP *See* Bozzini CE et al 413
Marx BE, Marx M: Prognosis of idiopathic membranous nephropathy: A methodologic meta-analysis 873
Marx M, Dorsch O: pp60c-src is required for the induction of a quiescent mesangial cell phenotype 110
Marx M *See* Marx BE et al 873
Massry SG *See* Marcinkowski W et al 1950
Matata BM *See* Mahiout A et al 860
Mathews JD (abst) 1318
Matsuda H *See* Hayashi K et al 1507
Maxwell PH, Ferguson DJP, Nicholls LG, Iredale JP, Pugh CW, Johnson MH, Ratcliffe PJ: Sites of erythropoietin production 393
Maxwell PH *See* Ratcliffe PJ et al 514
Mazess RB *See* Tan AU Jr. et al 317
Mazzieri R *See* Munger JS et al 1376
McDonald SP (abst) 1316
McFarlane R (abst) 1318
McGee O (abst) 1329
McGiff JC *See* Carroll MA et al 1696
McKenzie IFC (abst) 1323
McMonagle E *See* Himmelfarb J et al 834
Mehls O *See* Tönshoff B et al 58:S-106
Meinhardt A (abst) 1313
Melder RJ *See* Briscoe DM et al 58:S-22
Members of the APN Study Group *See* Hildebrandt F et al 261
Menzinger G *See* Scoppola A et al 908
Michael B *See* Sharma K et al 1980
Michael CA (abst) 1310
Mickley V, Görich J, Rilinger N, Storck M, Abendroth D: Stenting of central venous stenoses in hemodialysis patients: Long-term results 277
Mildenberger S (abst) 1307
Miller JA, Scholey JW, Thai K, Pei YPC: Angiotensin converting enzyme gene polymorphism and renal hemodynamic function in early diabetes 119
Miller T (abst) 1327, 1328
Millhorn D *See* Raymond R et al 536
Millhorn DE, Raymond R, Conforti L, Zhu W, Beitner-Johnson D, Filisko T, Genter MB, Kobayashi S, Peng M: Regulation of gene expression for tyrosine hydroxylase in oxygen sensitive cells by hypoxia 527
Millul V, Ardaillou N, Placier S, Baudouin B, Ronco PM: Receptors for natriuretic peptides in a human cortical collecting duct cell line 281
Min CH (abst) 952
Min WK (abst) 958, 958, 958
Mion C *See* Canaud B et al 2000
Mitch WE *See* Guasch A et al 826
Mitola S *See* Amore A et al 27
Miura AB *See* Imai H et al 270
Miyasato F *See* Iseki K et al 1212

Miyata T, Ueda Y, Yoshida A, Sugiyama S, Iida Y, Jadoul M, Maeda K, Kurokawa K, van Ypersele de Strihou C: Clearance of pentosidine, an advanced glycation end product, by different modalities of renal replacement therapy 880
Miyata T, Wada Y, Cai Z, Iida Y, Horie K, Yasuda Y, Maeda K, Kurokawa K, van Ypersele de Strihou C: Implication of an increased oxidative stress in the formation of advanced glycation end products in patients with end-stage renal failure 1170
Miyazaki S *See* Niwa T et al 187
Miyazaki T *See* Niwa T et al 187
Modification of Diet in Renal Disease Study Group, Hunsicker LG, Adler S, Caggiula A, England BK, Greene T, Kusek JW, Rogers NL, Teschan PE: Predictors of the progression of renal disease in the Modification of Diet in Renal Disease Study 1908
Molina A *See* López-Barneo J et al 454
Momoi T *See* Niwa T et al 187
Monif M *See* Scharfetter H et al 1078
Monnens LAH *See* van Setten PA et al 1245
Monno R *See* Gesualdo L et al 155
Montero A *See* Nassar GM et al 1520
Montinaro V *See* Gesualdo L et al 155
Moon C (abst) 959, 960
Moon CY (abst) 953
Moon HS (abst) 948
Moon SH (abst) 950
Morawin E *See* Strojek KNN et al 1602
Moreso F *See* Serón D et al 310
Morgan C (abst) 1312, 1327
Morganti-Kossmann MC *See* Marti HH et al 416
Morigi M *See* Corna D et al 1583
Morii H *See* Ishimura E et al 1920
Morita T *See* Kourembanas S et al 438
Moriyama T *See* Akagi Y et al 1265
Morris PJ (abst) 1322, 1325
Morris PJ: Transplantation in the 21st century 58:S-51
Motamed K, Sage EH: Regulation of vascular morphogenesis by the matricellular protein SPARC ... 1383
Mouhtouris E (abst) 1323
Moullier P *See* Rougier J-P et al 337
Moultrie S (abst) 1328
Mountokalakis TD: The renal consequences of arterial hypertension (Nephrology Forum) 1639
Moursi A *See* Damsky CH et al 1427
Mu W (abst) 1313
Muizert Y *See* Timmerman JJ et al 1788
Müller E *See* Beck F-X et al 36
Müller E *See* Zahner G et al 1116
Müller-Esterl W *See* El-Dahr SS et al 739
Munger JS, Harpel JG, Gleizes P-E, Mazzieri R, Nunes I, Rifkin DB: Latent transforming growth factor-β: Structural features and mechanisms of activation 1376
Munk S *See* Zhou X et al 1797
Murphy B (abst) 1327
Murphy BF (abst) 1315
Murray K (abst) 1318
Murray-McIntosh R (abst) 1311
Mustonen A *See* Männikkö M et al 868
Mutschler E *See* Fliser D et al 1196

N

Na KR (abst) 970
Nagahama T *See* Hayashi K et al 1507
Nagao M *See* Ratcliffe PJ et al 514
Nagl UO *See* Laich A et al 477
Nakagawa T, Hayase Y, Sasahara M, Haneda M, Kikkawa R, Higashiyama S, Taniguchi N, Hazama F: Distribution of heparin-binding EGF-like growth factor protein and mRNA in the normal rat kidneys ... 1774
Nakayama M, Kawaguchi Y, Yamada K, Hasegawa T, Takazoe K, Katoh N, Hayakawa H, Osaka N, Yamamoto H, Ogawa A, Kubo H, Shigematsu T, Sakai O, Horiuchi S: Immunohistochemical detection of advanced glycosylation end-products in the peritoneum and its possible pathophysiological role in CAPD 182
Nam SW (abst) 966
Nangaku M *See* Shankland SJ et al 1088
Narins RG *See* Cortes P et al 57
Nassar GM, Montero A, Fukunaga M, Badr KF: Contrasting effects of proinflammatory and T-helper lymphocyte subset-2 cytokines on the 5-lipoxygenase pathway in monocytes 1520
Nawab ZM *See* Yu AW et al 1986
Neale TJ (abst) 1311
Negoro N *See* Haraguchi M et al 1838
Nelson PJ *See* Schlöndorff D et al 610
Neri R *See* Hadad SJ et al 87
Neugarten J *See* Sandhu S et al 1535
Neuhaus TJ *See* Hulton S-A et al 58:S-83
Neumann HPH, Zbar B: Renal cysts, renal cancer and von Hippel-Lindau disease (Editorial Review) 16
Neumayer HH *See* Geiger H et al 750
Nguyen NU *See* Dumoulin G et al 804
Niaudet P, Fuchshuber A, Gagnadoux MF, Habib R, Broyer M: Cyclosporine in the therapy of steroid-resistant idiopathic nephrotic syndrome 58:S-85
Niaudet P, Rötig A: The kidney in mitochondrial cytopathies (Editorial Review) 1000
Nicholls K (abst) 1314, 1321
Nicholls LG *See* Maxwell PH et al 393
Nicholls MG (abst) 1308
Nicol D (abst) 1322
Nieuwhof CMG, de Heer F, de Leeuw P, van Breda Vriesman PJC: Thin GBM nephropathy: Premature glomerular obsolescence is associated with hypertension and late onset renal failure 1596
Nikolic-Paterson D (abst) 1313
Nikolic-Paterson DJ (abst) 1313, 1324, 1325
Nikolic-Paterson DJ *See* Chadban SJ et al 1809
Nishime K *See* Iseki K et al 1212
Nishizawa Y *See* Ishimura E et al 1920
Niwa T, Katsuzaki T, Miyazaki S, Momoi T, Akiba T, Miyazaki T, Nokura K, Hayase F, Tatemichi N, Takei Y: Amyloid β_2-microglobulin is modified with imidazolone, a novel advanced glycation end product, in dialysis-related amyloidosis 187
Noble NA *See* Border WA et al 1339
Noble NA *See* Border WA et al 1388
Noble NA *See* Kagami S et al 664
Noble NA *See* Peters H et al 1481
Noda M *See* Hirakata M et al 1028
Noël H *See* Jadoul M et al 1928
Noh HJ (abst) 958, 959, 959, 959
Nohno T *See* Sasaki T et al 301
Noiri E *See* Goligorsky MS et al 1487
Nokura K *See* Niwa T et al 187
Nomoto Y (abst) 1326

Nortier JL, Deschodt-Lanckman MM, Simon S, Thielemans NO, de Prez EG, Depierreux MF, Tielemans CL, Richard C, Lauwerys RR, Bernard AM, Vanherweghem J-L: Proximal tubular injury in Chinese herbs nephropathy: Monitoring by neutral endopeptidase enzymuria. 288
Nossal GJV (abst) 1321
Nothwang H-G *See* Hildebrandt F et al 261
Nouwen EJ *See* Duymelinck C et al 1818
Nunes I *See* Munger JS et al 1376
Nurcombe V (abst) 1308, 1310
Nyui N *See* Umemura S et al 1548

O

Oba M *See* Ito O et al 1037
O'Brien SF (abst) 1305, 1305
O'Connor J *See* Sharma K et al 1980
Oertli B *See* Fan X et al 79
Ogawa A *See* Nakayama M et al 182
Ogawa S *See* Yan SF et al 419
Oh HS (abst) 950
Oh HY (abst) 950, 953, 968
Oh JE (abst) 947
Oh JH (abst) 945
Oh KH (abst) 963, 964
Oh ML (abst) 949
Oh PS (abst) 949, 968
Oh SM (abst) 970
Oh YJ (abst) 968
Oh YK (abst) 964
Ohno A *See* Beck F-X et al 36
Ohtani H *See* Imai H et al 270
Oikawa T, Freeman M, Lo W, Vaughan DE, Fogo A: Modulation of plasminogen activator inhibitor-1 *in vivo*: A new mechanism for the anti-fibrotic effect of renin-angiotensin inhibition 164
Oka K *See* Hayashi K et al 1507
Okabe M *See* Akagi Y et al 1265
Okada K *See* Kagami S et al 664
Okamura M *See* Haraguchi M et al 1838
Okazaki T *See* Hirakata M et al 1028
Okuno Y *See* Ishimura E et al 1920
Olives B *See* Xu Y et al 138
Omata K *See* Ito O et al 1037
O'Meara YM, Brady HR: Lipoxins, leukocyte recruitment and the resolution phase of acute glomerulonephritis 58:S-56
O'Meara YM *See* Rabb H et al 1463
Oor S-Y (abst) 1307
Orlowski JM *See* Ding G et al 147
O'Rourke JF *See* Ratcliffe PJ et al 514
Ortega-Sáenz P *See* López-Barneo J et al 454
Orth SR, Ritz E, Schrier RW: The renal risks of smoking 1669
Ortiz A *See* González-Cuadrado S et al 1739
Ortiz-González A *See* González-Cuadrado S et al 1739
Osaka N *See* Nakayama M et al 182
Osawa G *See* Sasaki T et al 301
Oshiro MEM *See* Hadad SJ et al 87
Osman N (abst) 1323
Osteaux M *See* De Bisschop E et al 1182
Ostendorf T *See* Eitner F et al 69
Osvath S (abst) 1323
Ota K *See* Wada J et al 1629
Oura T *See* Iseki K et al 1212
O'Valle F *See* González-Cuadrado S et al 1739
Owen WF Jr. *See* Hou FF et al 1514
Ozgur B *See* Ye S et al 722

P

Paape ME *See* van Kooten C et al 711
Packham DK (abst) 1308, 1329, 1329
Pagel H *See* Jelkmann W et al 497
Paizis K (abst) 1319, 1323
Parekh KR *See* Coelho SN et al 646
Park CH (abst) 946, 946, 953, 960, 962, 965, 969
Park CK (abst) 945
Park CW (abst) 966, 969
Park DC (abst) 952, 963
Park HC (abst) 953, 958, 959, 959, 959, 960, 962
Park HW (abst) 950, 967
Park JH (abst) 952, 963, 970
Park JK (abst) 967, 967
Park JS (abst) 955, 957, 958, 958, 958, 961
Park JW (abst) 963
Park K (abst) 949
Park KI (abst) 961
Park KJ (abst) 961
Park KW (abst) 949
Park MH (abst) 946
Park MS (abst) 945, 949, 959, 960, 961, 963
Park SB (abst) 945, 946, 963, 969, 970, 970
Park SH (abst) 946, 965
Park SK (abst) 953, 961
Park SK, Kang SK, Lee DY, Kang MJ, Kim SH, Koh GY: Temporal expressions of cyclins and cyclin dependent kinases during renal development and compensatory growth 762
Park W (abst) 967
Park YH (abst) 969
Park YI (abst) 970, 970
Park YS (abst) 945, 948, 948, 949, 963
Parks JH, Coward M, Coe FL: Correspondence between stone composition and urine supersaturation in nephrolithiasis 894
Parks JH *See* Asplin JR et al 640
Parnham AP (abst) 1322
Parsons D (abst) 1329
Passerini P *See* Cattran DC et al 901
Paterson D (abst) 1328
Paton AW (abst) 1305
Paton JC (abst) 1305
Patrick G (abst) 1317, 1320
Paulding WR *See* Czyzyk-Krzeska MF et al 585
Paulmichl M *See* Laich A et al 477
Pauti M-D *See* Tharaux P-L et al 1780
Pearce T (abst) 1328
Pearse MJ (abst) 1324
Pedagogos E (abst) 1314, 1321
Pei Y *See* Cattran DC et al 901
Pei YPC *See* Miller JA et al 119
Peltonen L *See* Männikkö M et al 868
Peng M *See* Millhorn DE et al 527
Penny MJ (abst) 1325
Penny MJ, Boyd RA, Hall BM: Role of T cells in the mediation of Heymann nephritis. ii. Identification of Th1 and cytotoxic cells in glomeruli 1059
Penso D *See* Sampietro M et al 348
Pereira BJG, Levey AS: Hepatitis C virus infection in dialysis and renal transplantation 981

Perrone RD: Extrarenal manifestations of ADPKD (Nephrology Forum) ... 2022
Perry G (abst) ... 1306
Perry G *See* Stein-Oakley AN et al ... 195
Peruzzi L *See* Amore A et al ... 27
Peters H, Noble NA: Angiotensin II and L-arginine in tissue fibrosis: More than blood pressure ... 1481
Peterson DA *See* Weir EK et al ... 462
Petrie JJB (abst) ... 1322
Pettersson E *See* Tryggvason K et al ... 1493
Peyri N *See* Pruna A et al ... 687
Pfaller W *See* Beck F-X et al ... 36
Phillips JA III *See* Endsley JK et al ... 1893
Pichler RH *See* Malyankar UM et al ... 1766
Pidgeon GB (abst) ... 1308
Piedagnel R *See* Rougier J-P et al ... 337
Pinsky DJ *See* Yan SF et al ... 419
Pintavorn P, Ballermann BJ: TGF-β and the endothelium during immune injury ... 1401
Pippin J *See* Shankland SJ et al ... 1088
Pizzuti A *See* Sampietro M et al ... 348
Placier S *See* Millul V et al ... 281
Platt JL *See* Daniels LJ et al ... 58:S-28
Plopper GE *See* Quaranta V et al ... 1441
Polihronis M (abst) ... 1323
Pollock AS *See* Turck J et al ... 1397
Pollock CA (abst) ... 1306, 1307, 1323, 1326
Ponraj D, Gopalakrishnakone P: Renal lesions in rhabdomyolysis caused by *Pseudechis australis* snake myotoxin ... 1956
Ponticelli C *See* Cattran DC et al ... 901
Ponticelli C *See* Sampietro M et al ... 348
Poronnik P (abst) ... 1306, 1323
Porwol T *See* Ehleben W et al ... 483
Porwol T *See* Fandrey J et al ... 492
Powell DR, Liu F, Baker BK, Hintz RL, Lee PDK, Durham SK, Brewer ED, Frane JW, Watkins SL, Hogg RJ, Southwest Pediatric Nephrology Study Group: Modulation of growth factors by growth hormone in children with chronic renal failure ... 1970
Power DA (abst) ... 1319, 1323
Prince RL *See* Dick IM et al ... 1719
Printz MP *See* Fanestil DD et al ... 1018
Pruna A, Peyri N, Berard M, Boffa M-C: Thrombomodulin is synthesized by human mesangial cells ... 687
Pugh CW *See* Maxwell PH et al ... 393
Pugh CW *See* Ratcliffe PJ et al ... 514
Pugsley D (abst) ... 1318
Pugsley DJ (abst) ... 1317
Pusey CD *See* Fisher M et al ... 222
Pyo HJ (abst) ... 955, 962, 964

Q

Qi M *See* Tang WW et al ... 926
Qiu Y-Y *See* Ruiz OS et al ... 1069
Quamme GA *See* Dai L-J et al ... 1008
Quamme GA *See* Dai L-J et al ... 1710
Quaranta V, Plopper GE: Integrins and laminins in tissue remodeling ... 1441
Quigg RJ *See* Alexander JJ et al ... 1124

R

Rabb H, O'Meara YM, Maderna P, Coleman P, Brady HR: Leukocytes, cell adhesion molecules and ischemic acute renal failure ... 1463
Rabb H *See* Wang Z et al ... 1106
Rabbone I *See* Amore A et al ... 27
Rabkin R *See* Fervenza FC et al ... 811
Rabkin R *See* Ike JO et al ... 840
Rachmilewitz D *See* Heyman SN et al ... 1619
Racusen LC *See* Solez K et al ... 1476
Radda GK (abst) ... 1306, 1309
Rademaker M (abst) ... 1308
Raines EW *See* Betsholtz C et al ... 1361
Raivio T *See* Dunkel L et al ... 777
Ramasubbu K *See* Bachmann S et al ... 479
Ramiro F *See* González-Cuadrado S et al ... 1739
Ranieri E *See* Gesualdo L et al ... 155
Rasch R *See* Christiansen T et al ... 50
Ratcliffe PJ, Ebert BL, Firth JD, Gleadle JM, Maxwell PH, Nagao M, O'Rourke JF, Pugh CW, Wood SM: Oxygen regulated gene expression: Erythropoietin as a model system ... 514
Ratcliffe PJ *See* Maxwell PH et al ... 393
Raymond R, Millhorn D: Regulation of tyrosine hydroxylase gene expression during hypoxia: Role of Ca^{2+} and PKC ... 536
Raymond R *See* Millhorn DE et al ... 527
Reddy S (abst) ... 1307
Rees AJ *See* Eitner F et al ... 69
Rees AJ *See* Fisher M et al ... 222
Rees M (abst) ... 1318
Reeve HL *See* Weir EK et al ... 462
Reeves WB: Effects of chloride channel blockers on hypoxic injury in rat proximal tubules ... 1529
Regnard J *See* Dumoulin G et al ... 804
Remuzzi G, Benigni A: Progression of proteinuric diabetic and nondiabetic renal diseases: A possible role for renal endothelin ... 58:S-66
Remuzzi G, Ruggenenti P, Benigni A: Understanding the nature of renal disease progression ... 2
Remuzzi G *See* Corna D et al ... 1583
Remuzzi G *See* Ruggenenti P et al ... 58:S-97
Reudelhuber TL *See* Laframboise M et al ... 104
Rha SH (abst) ... 969
Rhew HY (abst) ... 951
Ricardo SD *See* Diamond JR et al ... 1133
Ricardo SD *See* Ding G et al ... 147
Rich SS *See* Freedman BI et al ... 819
Richard C *See* Nortier JL et al ... 288
Richards AM (abst) ... 1308
Richardson MEC (abst) ... 1313
Richmond P (abst) ... 1318
Riegger GAJ *See* Krämer BK et al ... 444
Rifkin DB *See* Munger JS et al ... 1376
Rigalleau V, Combe C, Blanchetier V, Aubertin J, Aparicio M, Gin H: Low protein diet in uremia: Effects on glucose metabolism and energy production rate ... 1222
Rigby R (abst) ... 1315, 1328
Rigby RJ (abst) ... 1322
Rilinger N *See* Mickley V et al ... 277
Rim H (abst) ... 957
Ringoir S *See* Lindner A et al ... 1042
Riordon D *See* Asplin JR et al ... 640
Ripoche P *See* Xu Y et al ... 138
Rischen-Vos J *See* van den Dorpel MA et al ... 1608
Riser BL *See* Cortes P et al ... 57
Ritchie J (abst) ... 1310
Ritthaler T *See* Krämer BK et al ... 444

Ritz E, Central Eastern Europe Subcommittee: XIV International Congress of Nephrology. Report to the ISN Commission for Global Advancement of Nephrology 971
Ritz E *See* Fliser D et al 1196
Ritz E *See* Orth SR et al 1669
Ritz E *See* Strojek KNN et al 1602
Roberts AB *See* Böttinger EP et al 1355
Roberts JM *See* Shankland SJ et al 1088
Robinson W (abst) 1320
Robson RA (abst) 1316, 1316, 1317, 1316, 1319
Rodríguez A *See* Hernández D et al 1205
Roe C (abst) 1312, 1312
Roe CJ *See* Wu LL et al 1553
Roe R *See* Semenza GL et al 553
Rogers NL *See* Modification of Diet in Renal Disease Study Group et al 1908
Roh HW (abst) 949, 968
Rolfs A *See* Gassmann M et al 567
Rolfs A *See* Wenger RH et al 560
Romanov V *See* Goligorsky MS et al 1487
Ronco P *See* Xu Y et al 138
Ronco PM *See* Millul V et al 281
Ronco PM *See* Rougier J-P et al 337
Rondeau E *See* Xu Y et al 138
Rondon IJ *See* Scandurro AB et al 579
Rorive G *See* Jadoul M et al 1928
Rosen S *See* Heyman SN et al 653
Rosenblum ND, Yager TD: Changing patterns of gene expression in developing mouse kidney, as probed by differential mRNA display combined with cDNA library screening (Technical Note) 920
Rossignol E *See* Amar J et al 1863
Rothschild CB *See* Freedman BI et al 819
Rötig A *See* Niaudet P et al 1000
Rougier J-P, Moullier P, Piedagnel R, Ronco PM, Guia S: Hyperosmolality suppresses but TGFβ1 increases MMP9 in human peritoneal mesothelial cells 337
Roy LP (abst) 1305, 1306
Ruchti H *See* Geiger H et al 750
Rudzki H *See* Strojek KNN et al 1602
Rufino M *See* Hernández D et al 1205
Rüger BM (abst) 1311, 1314
Ruggenenti P, Lutz J, Remuzzi G: Pathogenesis and treatment of thrombotic microangiopathy 58:S-97
Ruggenenti P *See* Remuzzi G et al 2
Ruiz OS, Qiu Y-Y, Cardoso LR, Arruda JAL, Wang LJ: Regulation of the renal Na-HCO_3 cotransporter: VII. Mechanism of the cholinergic stimulation 1069
Ruoslahti E: Integrins as signaling molecules and targets for tumor therapy 1413
Rupprecht HD, Hofer G, de Heer E, Sterzel RB, Faller G, Schoecklmann HO: Expression of the transcriptional regulator Egr-1 in experimental glomerulonephritis: Requirement for mesangial cell proliferation 694
Rupprecht HD *See* Schoecklmann HO et al 1228
Russ GR (abst) 1320
Rüther U *See* Eitner F et al 69
Rybalova S *See* Carroll MA et al 1696
Ryou JS (abst) 958
Rysz J, Luciak M, Kędziora J, Bł̷aszczyk J, Sibińska E: Nitric oxide release in the peripheral blood during hemodialysis 294
Ryu JS (abst) 957
Ryu SK (abst) 952

S

Sabolić I, Brown D, Gluck SL, Alper SL: Regulation of AE1 anion exchanger and H^+-ATPase in rat cortex by acute metabolic acidosis and alkalosis 125
Sacchetti C *See* Amore A et al 27
Sacks SH *See* Sheerin NS et al 703
Sage EH *See* Motamed K et al 1383
Saint-Hillier Y *See* Dumoulin G et al 804
Sakai O *See* Nakayama M et al 182
Salceda S, Beck I, Srinivas V, Caro J: Complex role of protein phosphorylation in gene activation by hypoxia 556
Saleem S *See* Coelho SN et al 646
Salido E *See* Hernández D et al 1205
Salipan-Moore N (abst) 1307
Salles J-P *See* Gaits F et al 1022
Salomon DR: Rationale and mechanisms of immunosuppression 58:S-48
Salonen R *See* Männikkö M et al 868
Saltissi D (abst) 1312, 1315, 1327
Salusky IB *See* Goodman WG et al 1590
Sampietro M, Badalamenti S, Graziani G, Como G, Buccianti G, Corbetta N, Ticozzi A, Archenti A, Lunghi G, Penso D, Pizzuti A, Fiorelli G, Ponticelli C: Hepatitis G virus infection in hemodialysis patients 348
Samsell L *See* Losonczy G et al 1943
Sandhu S, Silbiger SR, Lei J, Neugarten J: Effects of sex hormones on fluid and solute transport in Madin-Darby canine kidney cells 1535
Sandner P, Wolf K, Bergmaier U, Gess B, Kurtz A: Induction of VEGF and VEGF receptor gene expression by hypoxia: Divergent regulation *in vivo* and *in vitro* 448
Sandner P *See* Krämer BK et al 444
Sandra P *See* Lindner A et al 1042
Sandrin MS (abst) 1323
Sarfati E *See* Gogusev J et al 328
Saruta T *See* Hayashi K et al 1507
Sasahara M *See* Nakagawa T et al 1774
Sasaki T, Jyo Y, Tanda N, Kawakami Y, Nohno T, Tamai H, Osawa G: Changes in glomerular epithelial cells induced by FGF2 and FGF2 neutralizing antibody in puromycin aminonucleoside nephropathy 301
Sato T, van Dixhoorn MGA, Schroeijers WEM, van Es LA, Daha MR: Efficient induction of apoptosis in cultured rat glomerular mesangial cells by dimeric monoclonal IgA anti-Thy-1 antibodies 173
Saudan P (abst) 1306
Saupe J *See* Kohlmeier M et al 1218
Savige J (abst) 1320, 1320
Sayegh M *See* Akalin E et al 58:S-8
Sayegh M *See* Tejani A et al 58:S-1
Sayegh MH, Carpenter CB: Tolerance and chronic rejection 58:S-11
Scandurro AB, Rondon IJ, Wilson RB, Tenenbaum SA, Garry RF, Beckman BS: Interaction of erythropoietin RNA binding protein with erythropoietin RNA requires an association with heat shock protein 70 579
Schaefer K *See* Kohlmeier M et al 1218
Schafer JA *See* Hirsch JR et al 473
Scharfetter H, Monif M, László Z, Lambauer T, Hutten H, Hinghofer-Szalkay H: Effect of postural changes on the reliability of volume estimations from bioimpedance spectroscopy data 1078

Schena FP *See* Gesualdo L et al 155
Schieren G *See* Kränzlin B et al 1160
Schlatter E *See* Hirsch JR et al 473
Schlöndorff D, Nelson PJ, Luckow B, Banas B: Chemokines and renal disease 610
Schlöndorff D *See* Fischereder M et al 2006
Schmarda A *See* Laich A et al 477
Schmidt S *See* Strojek KNN et al 1602
Schneider A *See* Wenzel U et al 770
Schnieders B *See* Hildebrandt F et al 261
Schoecklmann HO, Rupprecht HD, Zauner I, Sterzel RB: TGF-β1-induced cell cycle arrest in renal mesangial cells involves inhibition of cyclin E-cdk 2 activation and retinoblastoma protein phosphorylation . 1228
Schoecklmann HO *See* Gauer S et al 1447
Schoecklmann HO *See* Rupprecht HD et al 694
Schoenl M *See* Losonczy G et al 1943
Scholey JW *See* Miller JA et al 119
Schönfeld V *See* Geiger H et al 750
Schor N *See* Hadad SJ et al 87
Schraa EO *See* Timmerman JJ et al 1788
Schrier RW: From the President of the International Society of Nephrology 1
Schrier RW: Letter from the President 609
Schrier RW: Report of the ISN President 2038
Schrier RW *See* Edelstein CL et al 1341
Schrier RW *See* Orth SR et al 1669
Schroeder BM *See* Silver SM et al 1239
Schroeijers WEM *See* Sato T et al 173
Schröppel B *See* Fischereder M et al 2006
Schulze M *See* Zwirner J et al 1257
Schurek H-J, Johns O: Is tubuloglomerular feedback a tool to prevent nephron oxygen deficiency? 386
Schwab SJ *See* Sepulveda S et al 2018
Schwartz GJ *See* Tsuruoka S et al 1540
Schwedler S *See* Galle J et al 253
Scoppola A, De Paolis P, Menzinger G, Lala A, Di Giulio S: Plasma mevalonate concentrations in uremic patients 908
Seidah NG *See* Laframboise M et al 104
Seifert RA *See* Floege J et al 1140
Semenza GL, Agani F, Booth G, Forsythe J, Iyer N, Jiang B-H, Leung S, Roe R, Wiener C, Yu A: Structural and functional analysis of hypoxia-inducible factor 1 553
Sennesael J *See* Jadoul M et al 1928
Seo JK (abst) 946, 965
Seo JW (abst) 958
Seong YK (abst) 945, 946, 963, 969, 970, 970
Seppi T *See* Beck F-X et al 36
Sepulveda S, Davis L, Schwab SJ: Blood transfusion during heparin-free hemodialysis (Technical Note) 2018
Serlachius E, Sundelin B, Eklöf A-C, Jahnke M, Laestadius A, Aperia A: Pyelonephritis provokes growth retardation and apoptosis in infant rat renal cortex 1855
Serón D, Moreso F, Bover J, Condom E, Gil-Vernet S, Cañas C, Fulladosa X, Torras J, Carrera M, Grinyó JM, Alsina J: Early protocol renal allograft biopsies and graft outcome 310
Seymour AE (abst) 1317
Seymour T (abst) 1318
Shah SV *See* Hagar H et al 1747
Shand BI (abst) 1317, 1317
Shankland SJ, Pippin J, Flanagan M, Coats SR, Nangaku M, Gordon KL, Roberts JM, Couser WG, Johnson RJ: Mesangial cell proliferation mediated by PDGF and bFGF is determined by levels of the cyclin kinase inhibitor $p27^{Kip1}$ 1088
Sharma K, Considine RV, Michael B, Dunn SR, Weisberg LS, Kurnik BRC, Kurnik PB, O'Connor J, Sinha M, Caro JF: Plasma leptin is partly cleared by the kidney and is elevated in hemodialysis patients 1980
Shearer MJ *See* Kohlmeier M et al 1218
Sheerin NS, Zhou W, Adler S, Sacks SH: TNF-α regulation of C3 gene expression and protein biosynthesis in rat glomerular endothelial cells 703
Sher A *See* Wahl SM et al 1370
Sherrard DF (abst) 956
Shigematsu T *See* Nakayama M et al 182
Shim SI (abst) 962
Shimada S *See* Yamauchi A et al 1847
Shin JH (abst) 948
Shin MD (abst) 952
Shin MJ (abst) 958, 959, 959
Shin S-J, Lee Y-J, Tan M-S, Hsieh T-J, Tsai J-H: Increased atrial natriuretic peptide mRNA expression in the kidney of diabetic rats 1100
Shin SK (abst) 956, 968
Shin SY (abst) 969
Shin YS (abst) 961, 961, 966, 969
Shin YT (abst) 970
Shina A *See* Heyman SN et al 653
Shinkel T (abst) 1324
Shiohira Y *See* Iseki K et al 1212
Shull GE *See* Wang Z et al 1106
Shuo L *See* Huang X-R et al 94
Sibińska E *See* Rysz J et al 294
Silbiger SR *See* Sandhu S et al 1535
Silver SM, Clark EC, Schroeder BM, Sterns RH: Pathogenesis of cerebral edema after treatment of diabetic ketoacidosis 1239
Simon S *See* Nortier JL et al 288
Sinclair R (abst) 1320
Singharetnam W *See* Asplin JR et al 640
Singh-Sawhney I *See* Hildebrandt F et al 261
Sinha M *See* Sharma K et al 1980
Sitter T *See* Fischereder M et al 2006
Skinner S (abst) 1309
Slavotinek JP (abst) 1316
Smith AH (abst) 1316, 1316, 1319
Smith KGC (abst) 1312, 1321, 1321
Smith MC *See* Fogo A et al 244
Smith P (abst) 1318
Smith RM (abst) 1318
Smogorzewski M *See* Marcinkowski W et al 1950
Smye SW *See* Daugirdas JT et al 1270
Snider J (abst) 1327
Sobecki SK (abst) 1313
Soden V (abst) 1318
Sohn CH (abst) 969
Sohn IJ (abst) 969
Sohn JH (abst) 945, 948, 963
Soleimani M *See* Wang Z et al 1106
Solez K, Racusen LC, Abdulkareem F, Kemeny E, von Willebrand E, Truong LD: Adhesion molecules and rejection of renal allografts 1476
Somerville CA (abst) 1330
Song HC (abst) 969, 969

Song HJ (abst) 969
Song KI (abst) 945, 947, 947, 959
Song KS (abst) 956, 965
Song Q (abst) 1325
Song SC (abst) 966
Soulillou J-P *See* D'Elios MM et al 1876
Soulis T (abst) 1314
Southwest Pediatric Nephrology Study Group *See* Powell DR et al 1970
Spargo R (abst) 1318
Sporn MB: The importance of context in cytokine action 1352
Spray BJ *See* Freedman BI et al 819
Srinivas V *See* Salceda S et al 556
Stahl RAK *See* Wenzel U et al 770
Stahl RAK *See* Zahner G et al 1116
Stein MS (abst) 1308, 1329, 1329
Stein-Oakley AN (abst) 1306, 1310
Stein-Oakley AN, Maguire JA, Dowling J, Perry G, Thomson NM: Altered expression of fibrogenic growth factors in IgA nephropathy and focal and segmental glomerulosclerosis 195
Steinwedel J (abst) 1321
Stern DM *See* Yan SF et al 419
Sterns RH *See* Silver SM et al 1239
Sterzel RB *See* Gauer S et al 1447
Sterzel RB *See* Hartner A et al 1754
Sterzel RB *See* Rupprecht HD et al 694
Sterzel RB *See* Schoecklmann HO et al 1228
Stødkilde-Jørgensen H *See* Christiansen T et al 50
Storck M *See* Mickley V et al 277
Strahm B *See* Hildebrandt F et al 261
Strasser A (abst) 1321
Striker GE *See* Striker LJ et al 58:S-62
Striker LJ, Esposito C, Striker GE: Molecular biology of human glomerular diseases 58:S-62
Strojek KNN, Grzeszczak W, Morawin E, Adamski M, Lacka B, Rudzki H, Schmidt S, Keller C, Ritz E: Nephropathy of type II diabetes: Evidence for hereditary factors? 1602
Struijk DG *See* Douma CE et al 1885
Struijk DG *See* Ho-dac-Pannekeet MM et al 888
Sugimori T, Griffith DL, Arnaout MA: Emerging paradigms of integrin ligand binding and activation 1454
Sugiura T *See* Yamauchi A et al 1847
Sugiyama S *See* Miyata T et al 880
Suh BY (abst) 963
Suh JS (abst) 952
Suh KD (abst) 954
Suh KS (abst) 970
Suk J (abst) 945, 946, 963, 969, 970, 970
Sun D *See* Hirsch JR et al 473
Sunagawa H *See* Iseki K et al 1212
Sundelin B *See* Serlachius E et al 1855
Susanna A *See* Laich A et al 477
Suthanthiran M: Acute rejection of renal allografts: Mechanistic insights and therapeutic options (Nephrology Forum) 1289
Suthanthiran M: Molecular analyses of human renal allografts: Differential intragraft gene expression during rejection 58:S-15
Sütö TS *See* Kitamura M et al 1274
Svetkey LP *See* Bódi I et al 1568

T

Tabancay AP Jr. *See* Woo DDL et al 1613
Takahashi N *See* Ito O et al 1037
Takazoe K *See* Nakayama M et al 182
Takei Y *See* Niwa T et al 187
Takenaka M *See* Akagi Y et al 1265
Takuwa Y *See* Hirakata M et al 1028
Tallini G *See* Zheng D-Q et al 1434
Tamai H *See* Sasaki T et al 301
Tamura K *See* Umemura S et al 1548
Tan AU Jr., Levine BS, Mazess RB, Kyllo DM, Bishop CW, Knutson JC, Kleinman KS, Coburn JW: Effective suppression of parathyroid hormone by 1α-hydroxy-vitamin D_2 in hemodialysis patients with moderate to severe secondary hyperparathyroidism 317
Tan KG (abst) 1327
Tan M-S *See* Shin S-J et al 1100
Tanda N *See* Sasaki T et al 301
Tang WW, Van GY, Qi M: Myofibroblast and α_1(III) collagen expression in experimental tubulointerstitial nephritis: A combined immunohistochemical and *in situ* hybridization study 926
Tang Z *See* Liu Z-H et al 1938
Tange MJ (abst) 1324
Taniguchi N *See* Nakagawa T et al 1774
Tarlinton DM (abst) 1321
Tate H *See* MacLeod JM et al 1624
Tatemichi N *See* Niwa T et al 187
Tay (abst) 1323
Taylor DJ (abst) 1309
Tearle RG (abst) 1324
Tejani A, Sayegh M: Moving Points in Pediatric Nephrology and Transplantation: Introduction 58:S-1
Tendler D *See* Huang LE et al 548
Tenenbaum SA *See* Scandurro AB et al 579
Tesch GH *See* Chadban SJ et al 1809
Teschan PE *See* Modification of Diet in Renal Disease Study Group et al 1908
Thai K *See* Miller JA et al 119
Thaiss F *See* Wenzel U et al 770
Thaiss F *See* Zahner G et al 1116
Thallas V (abst) 1314
Tharaux P-L, Dussaule J-C, Pauti M-D, Vassitch Y, Ardaillou R, Chatziantoniou C: Activation of renin synthesis is dependent on intact nitric oxide production 1780
Tharaux PL *See* Hafdi Z et al 1900
Thielemans NO *See* Nortier JL et al 288
Thomas DW (abst) 1313
Thompson CH (abst) 1306, 1309
Thomson NM (abst) 1306, 1310, 1311
Thomson NM *See* Stein-Oakley AN et al 195
Thorner P *See* Tryggvason K et al 1493
Thurau K: Acceptance of the 1997 A.N. Richards Award 2054
Tibell A *See* Tryggvason K et al 1493
Ticozzi A *See* Sampietro M et al 348
Tielemans CL *See* Nortier JL et al 288
Timmerman JJ, van Dixhoorn MGA, Schraa EO, van Gijlswijk-Janssen DJ, Muizert Y, Van Es LA, Daha MR: Extrahepatic C6 is as effective as hepatic C6 in the generation of renal C5b-9 complexes 1788
Tipping P (abst) 1310
Tipping PG (abst) 1313, 1319, 1319, 1320, 1324, 1325
Tipping PG *See* Huang X-R et al 94
Tipping PG *See* Li S et al 672
Tisher CC: Report of the ISN Treasurer 2043

To WY (abst) ... 1319
Toback FG *See* Lieske JC et al ... 679
Togawa M *See* Araki S- et al ... 631
Tohyama M *See* Yamauchi A et al ... 1847
Tokuyama K *See* Iseki K et al ... 1212
Toma S *See* Iseki K et al ... 1212
Tönshoff B, Blum WF, Mehls O: Derangements of the somatotropic hormone axis in chronic renal failure . 58:S-106
Topley N *See* Beavis MJ et al ... 205
Torras J *See* Serón D et al ... 310
Torres A *See* Hernández D et al ... 1205
Trentz O *See* Marti HH et al ... 416
Triller J *See* Baumgartner I et al ... 798
Tristani-Firouzi M *See* Weir EK et al ... 462
Truong LD *See* Solez K et al ... 1476
Tryggvason K, Heikkilä P, Pettersson E, Tibell A, Thorner P: Can Alport syndrome be treated by gene therapy? ... 1493
Tryggvason K *See* Männikkö M et al ... 868
Tsai J-H *See* Shin S-J et al ... 1100
Tsao T *See* Fervenza FC et al ... 811
Tsuruoka S, Bushinsky DA, Schwartz GJ: Defective renal calcium reabsorption in genetic hypercalciuric rats ... 1540
Turck J, Pollock AS, Lovett DH: Gelatinase A is a glomerular mesangial cell growth and differentiation factor ... 1397
Turka LA *See* Akalin E et al ... 58:S-8
Turner JG (abst) ... 1319
Tzanidis A (abst) ... 1311

U

Ueda N *See* Akagi Y et al ... 1265
Ueda N *See* Hagar H et al ... 1747
Ueda Y *See* Miyata T et al ... 880
Uehara H *See* Iseki K et al ... 1212
Umemura S, Yamaguchi S, Tamura K, Hibi K, Nyui N, Ishigami T, Kihara M, Yabana M, Ishii M: Distribution of α_{1D}-adrenergic receptor mRNA expression along rat nephron segments ... 1548
Ureña J *See* López-Barneo J et al ... 454

V

Valente AJ *See* Wenzel U et al ... 770
van Breda Vriesman PJC *See* Nieuwhof CMG et al ... 1596
van de Kar NCAJ *See* van Setten PA et al ... 1245
van den Dorpel MA, Ghanem H, Rischen-Vos J, Man in't Veld AJ, Jansen H, Weimar W: Conversion from cyclosporine A to azathioprine treatment improves LDL oxidation in kidney transplant recipients ... 1608
van den Heuvel LPWJ *See* van Setten PA et al ... 1245
Van der Niepen P *See* De Bisschop E et al ... 1182
van der Velden TJAN *See* van Setten PA et al ... 1245
van Dixhoorn MGA *See* Sato T et al ... 173
van Dixhoorn MGA *See* Timmerman JJ et al ... 1788
van Es LA *See* Sato T et al ... 173
Van Es LA *See* Timmerman JJ et al ... 1788
van Es LA *See* van Kooten C et al ... 711
van Gijlswijk-Janssen DJ *See* Timmerman JJ et al ... 1788
van Goor H *See* Ding G et al ... 147
Van GY *See* Tang WW et al ... 926
van Hinsbergh VWM *See* van Setten PA et al ... 1245
van Kooten C, Gerritsma JSJ, Paape ME, van Es LA, Banchereau J, Daha MR: Possible role for CD40-CD40L in the regulation of interstitial infiltration in the kidney ... 711
van Setten PA, van Hinsbergh VWM, van der Velden TJAN, van de Kar NCAJ, Vermeer M, Mahan JD, Assmann KJM, van den Heuvel LPWJ, Monnens LAH: Effects of TNFα on verocytotoxin cytotoxicity in purified human glomerular microvascular endothelial cells ... 1245
van Ypersele de Strihou C *See* Jadoul M et al ... 1928
van Ypersele de Strihou C *See* Miyata T et al ... 880
van Ypersele de Strihou C *See* Miyata T et al ... 1170
Vande Walle JG *See* Donckerwolcke RA et al ... 58:S-72
Vanherweghem J-L *See* Nortier JL et al ... 288
Vanholder R *See* Jadoul M et al ... 1928
Vanholder R *See* Lindner A et al ... 1042
Vassitch Y *See* Tharaux P-L et al ... 1780
Vaughan DE *See* Oikawa T et al ... 164
Vaughan RW *See* Fisher M et al ... 222
Vaughn DA *See* Fanestil DD et al ... 1018
Vaussenat F *See* Canaud B et al ... 2000
Vaux DL (abst) ... 1321
Vaziri ND, Liang K: Down-regulation of VLDL receptor expression in chronic experimental renal failure ... 913
Vaziri ND *See* Liang K et al ... 1761
Vaziri ND *See* Liang K et al ... 1933
Veldhuis JD *See* Goodman WG et al ... 1590
Vellar D (abst) ... 1327
Venuto R *See* Losonczy G et al ... 1943
Verbeelen D *See* De Bisschop E et al ... 1182
Vermeer M *See* van Setten PA et al ... 1245
Vernier I *See* Amar J et al ... 1863
Verpooten GA *See* Duymelinck C et al ... 1818
Vogeleere P *See* Lindner A et al ... 1042
Vollmer M *See* Hildebrandt F et al ... 261
von Oeyen PT *See* Braden GL et al ... 1867
von Willebrand E *See* Solez K et al ... 1476

W

Wada J, Kumar A, Ota K, Wallner EI, Batlle DC, Kanwar YS: Representational difference analysis of cDNA of genes expressed in embryonic kidney ... 1629
Wada Y *See* Miyata T et al ... 1170
Wahl SM, Frazier-Jessen M, Jin WW, Kopp JB, Sher A, Cheever AW: Cytokine regulation of schistosome-induced granuloma and fibrosis ... 1370
Wake T *See* Iseki K et al ... 1212
Walker R (abst) ... 1321
Walker RG (abst) ... 1312
Walker RJ (abst) ... 1330
Wall D (abst) ... 1322
Wallner EI *See* Wada J et al ... 1629
Walls J *See* Combe C et al ... 1703
Walsh Z (abst) ... 1315
Walters BN (abst) ... 1310
Wang A (abst) ... 1326
Wang CJN *See* Woo DDL et al ... 1613
Wang LJ *See* Ruiz OS et al ... 1069
Wang Z, Rabb H, Craig T, Burnham C, Shull GE, Soleimani M: Ischemic-reperfusion injury in the kidney: Overexpression of colonic H^+-K^+-ATPase and suppression of NHE-3 ... 1106
Wanner C *See* Galle J et al ... 253
Warburton P (abst) ... 1317
Wark JD (abst) ... 1308, 1329, 1329
Watkins SL *See* Powell DR et al ... 1970
Watson D (abst) ... 1328
Watson DJ *See* Braden GL et al ... 1867

Watson MA (abst) 1322
Watson ML: Complications of polycystic kidney disease (Nephrology Forum) 353
Watts GF (abst) 1305, 1305
Webb NJA *See* Mallick NP et al 58:S-80
Wee KS (abst) 955
Weening JJ: Report of the ISN Secretary-General 2041
Weimar W *See* van den Dorpel MA et al 1608
Weinhold B *See* Eitner F et al 69
Weir EK, Reeve HL, Cornfield DN, Tristani-Firouzi M, Peterson DA, Archer SL: Diversity of response in vascular smooth muscle cells to changes in oxygen tension 462
Weisberg LS *See* Sharma K et al 1980
Welsh G (abst) 1316
Wenger RH, Kvietikova I, Rolfs A, Gassmann M, Marti HH: Hypoxia-inducible factor-1α is regulated at the post-mRNA level 560
Wenger RH *See* Gassmann M et al 567
Wenger RH *See* Kvietikova I et al 564
Wenger RH *See* Marti HH et al 416
Wenzel U, Schneider A, Valente AJ, Abboud HE, Thaiss F, Helmchen UM, Stahl RAK: Monocyte chemoattractant protein-1 mediates monocyte/macrophage influx in anti-thymocyte antibody-induced glomerulonephritis 770
Westerhuis R *See* Eitner F et al 69
Westhuyzen J (abst) 1312, 1327
Weston S *See* Combe C et al 1703
Whang HZ (abst) 949, 968
White KE *See* MacLeod JM et al 1624
Whiteside C *See* Zhou X et al 1797
Wiener C *See* Semenza GL et al 553
Wilkinson AG (abst) 1322
William JD *See* Beavis MJ et al 205
Willis FR (abst) 1322
Willis N (abst) 1307
Wilson RB *See* Scandurro AB et al 579
Winikoff J (abst) 1309
Wolf G *See* Zahner G et al 1116
Wolf K *See* Sandner P et al 448
Won NH (abst) 962, 964, 968
Wong KM (abst) 1316
Woo DDL, Tabancay AP Jr., Wang CJN: Microtubule active taxanes inhibit polycystic kidney disease progression in *cpk* mice 1613
Woo L (abst) 1319
Wood SM *See* Ratcliffe PJ et al 514
Wookey PJ (abst) 1309
Wu CW *See* Yang AH et al 1280
Wu L (abst) 1312, 1312
Wu LL, Cox A, Roe CJ, Dziadek M, Cooper ME, Gilbert RE: Transforming growth factor β1 and renal injury following subtotal nephrectomy in the rat: Role of the renin-angiotensin system 1553
Wüthrich RP *See* Fan X et al 79

X

Xu Y, Olives B, Bailly P, Fischer E, Ripoche P, Ronco P, Cartron J-P, Rondeau E: Endothelial cells of the kidney vasa recta express the urea transporter HUT11 .. 138

Y

Yabana M *See* Umemura S et al 1548
Yadin O, Fine RN: Long-term use of recombinant human growth hormone in children with chronic renal insufficiency 58:S-114
Yager TD *See* Rosenblum ND et al 920
Yamada K *See* Nakayama M et al 182
Yamaguchi S *See* Umemura S et al 1548
Yamamoto H *See* Nakayama M et al 182
Yamauchi A, Sugiura T, Kitamura H, Akagi A, Horio M, Tohyama M, Shimada S, Imai E: Effects of partial nephrectomy on the expression of osmolyte transporters 1847
Yamauchi A *See* Akagi Y et al 1265
Yan SF, Ogawa S, Stern DM, Pinsky DJ: Hypoxia-induced modulation of endothelial cell properties: Regulation of barrier function and expression of interleukin-6 419
Yandle TG (abst) 1308
Yang AH, Chen JY, Lin YP, Huang TP, Wu CW: Peritoneal dialysis solution induces apoptosis of mesothelial cells (Technical Note) 1280
Yang CW (abst) 955, 961, 961, 962, 964, 965, 965, 966
Yang DH (abst) 954
Yang N (abst) 1313
Yang SC (abst) 948, 957, 966
Yang WS (abst) 955, 958
Yao J *See* Gauer S et al 1447
Yasuda Y *See* Miyata T et al 1170
Y-C (abst) 1323
Ye S, Ozgur B, Campese VM: Renal afferent impulses, the posterior hypothalamus, and hypertension in rats with chronic renal failure 722
Ye VZC (abst) 1309
Yeh I *See* Ike JO et al 840
Yoo KS (abst) 958
Yoo SJ (abst) 951
Yoon DS (abst) 949
Yoon HJ (abst) 947, 947
Yoon HS (abst) 965
Yoon JB (abst) 948, 951
Yoon JW (abst) 955, 962, 964
Yoon JY (abst) 959
Yoon KI (abst) 952, 956, 956
Yoon KW (abst) 963
Yoon NS (abst) 966
Yoon SA (abst) 964
Yoon SN (abst) 955, 961, 965
Yoshi S *See* Iseki K et al 1212
Yoshida A *See* Miyata T et al 880
Yoshihara K *See* Iseki K et al 1212
Yoshikawa J *See* Haraguchi M et al 1838
You W *See* Guasch A et al 826
Youssef S (abst) 1314
Yu A (abst) 1326
Yu A *See* Semenza GL et al 553
Yu AW, Nawab ZM, Barnes WE, Lai KN, Ing TS, Daugirdas JT: Splanchnic erythrocyte content decreases during hemodialysis: A new compensatory mechanism for hypovolemia 1986
Yu H *See* Freedman BI et al 819
Yu SH (abst) 952
Yu Y-S *See* Liu Z-H et al 1938
Yuill E (abst) 1329, 1329
Yun HJ (abst) 963, 964
Yun IJ (abst) 960
Yun SC (abst) 953

Z

Zager RA, Burkhart K: Myoglobin toxicity in proximal human kidney cells: Roles of Fe, Ca^{2+}, H_2O_2, and terminal mitochondrial electron transport 728

Zahner G, Harendza S, Müller E, Wolf G, Thaiss F, Stahl RAK: Prostaglandin E_2 stimulates expression of matrix metalloproteinase 2 in cultured rat mesangial cells 1116

Zauner I *See* Schoecklmann HO et al 1228

Zbar B *See* Neumann HPH et al 16

Zhang G *See* Marcinkowski W et al 1950

Zhang YZ *See* Lee HS et al 1151

Zhao X *See* Cortes P et al 57

Zheng D-Q, Fornaro M, Bofetiado CJM, Tallini G, Bosari S, Languino LR: Modulation of cell proliferation by the integrin cytoplasmic domain 1434

Zhou W *See* Sheerin NS et al 703

Zhou X, Li C, Dlugosz J, Kapor-Drezgic J, Munk S, Whiteside C: Mesangial cell actin disassembly in high glucose mediated by protein kinase C and the polyol pathway 1797

Zhou Y *See* Damsky CH et al 1427

Zhu W *See* Millhorn DE et al 527

Ziegler MG, Aung M, Kennedy B: Sources of human urinary epinephrine 324

Zitomer RS, Carrico P, Deckert J: Regulation of hypoxic gene expression in yeast 507

Zoja C *See* Corna D et al 1583

Zuo Q, Claveau D, Hilal G, Leclerc M, Brunette MG: Effect of calcitonin on calcium transport by the luminal and basolateral membranes of the rabbit nephron 1991

Zwirner J, Burg M, Schulze M, Brunkhorst R, Götze O, Koch K-M, Floege J: Activated complement C3: A potentially novel predictor of progressive IgA nephropathy 1257

Subject Index for Volume 51

A
Aborigines, Australian, renal disease in (abst). 1318
Acetate blood level changes with HD (abst) 953
Acid-base balance
  AE1 and H^+-ATPase in acidosis/alkalosis 125
  cerebral edema, after treatment of DKA 1237
  maintenance HD and (abst) 953
  transporters, ischemic-reperfusion injury 1106
Acidosis. *See also* Metabolic acidosis
  distal renal tubular, absence of H^+-ATPase (abst) 948
  uremic/non-uremic, GH, IGF-1 . . . . . 58:S-102
Activin-like receptor kinase-5, TGF-β1, developing metanephros (abst) 1310
Acute renal failure (ARF)
  acute pyelonephritis, clinical characteristics (abst) 966
  arsine gas exposure, CVVHD (abst) 1317
  due to building collapse (abst) 966
  ischemic, leukocytes, cell adhesion molecules and 1463
  myoglobin cytotoxicity 728
  myoglobinuric, pathogenesis of 1956
  renal cell injury, nature of 1341
Adhesion molecules
  attenuation of ischemic ARF 1463
  expression in Shwartzman reaction, rabbit (abst) 949
  in glomerular mesangium 1447
  integrin cytoplasmic domain modulates cell proliferation 1434
  integrin-ligand interactions 1454
  integrins, laminins in tissue remodeling 1441
  integrins and tumor therapy 1413
  receptors, role in nephritis 1469
  receptors in development and remodeling 1427
  rejection of renal allografts 1476
  selectin ligands, leukocytes and Fuc-TVII 1418
Adrenal tumor, hypokalemia, hypertension, dissecting aneurysm (abst) 945
Adult respiratory distress syndrome, arsine gas exposure, CVVHD (abst) 1317
Advanced glycation end-products (AGEs)
  β2-m interaction, dialysis-related amyloidosis 1514
  binding, AGE receptor in diabetic rat kidney (abst) . . . 1314
  imidazolone modifies amyloid β_2m 187
  oxidative stress, ESRD 1170
  pentosidine clearance in RRT 880
Advanced glycosylation end-products (AGEs)
  pathogenic role in diabetic nephropathy (abst) 947
  pathophysiologic role in CAPD 182
AE1 regulation and H^+-ATPase in acidosis/alkalosis 125
African Americans
  linkage analysis of cytokines in ESRD 819
  Study of Kidney Disease (AASK) Trial 244
Age. *See also* Children
  CAPD outcome comparison, older/younger patients (abst) 957
  prerenal azotemia in elderly (abst) 965
  renal function in elderly 1196
Albumin
  glycated, modulates NO production 27
  high glomerular permeability of bikunin 1053
  infusion, serum Lp(a) concentration, CAPD (abst) 958
  serum, as CAPD morbidity/mortality predictor (abst) . . . 959
  serum, urea reduction ratios, HD patients (abst) 1326
Albuminuria, low birth weight, RF in Australian Aborigines (abst) 1318
Alkalosis, metabolic, AE1 regulation and H^+-ATPase in . . 125
Allografts. *See also* Rejection
  early protocol biopsy, graft outcome and 310
  early routine biopsies, histopathology in (abst) 962
  intrarenal gene expression during rejection 58:S-15
Allopurinol, ischemia-reperfusion injury, rats (abst) 966
α-subunit of neutrophil NADPH oxidase, in kidney and liver 479
α_{1B}-adrenergic receptor, mRNA expression, rat nephron . 1548
Alport syndrome
  bull terrier hereditary nephritis as model (abst) 1320
  COL4A5 mutation screening method (abst) 1324
  gene therapy 1493
  pathobiology, genetics of 58:S-69
  transplantation prognosis (abst) 961
Amadori adducts of glycated albumin and NOS activity 27
Amino acids
  plasma concentrations, ESRD, Koreans and Americans compared (abst) 954
  uremic muscle metabolism 1182
Amylin renal binding correlated with BP, rat (abst) 1309
Amyloidosis
  dialysis-related, β2-m binding to collagen-AGE 1514
  dialysis-related, β2-m histological prevalence in 1928
  dialysis-related, imidazolone modifies β_2m 187
Andreoli, Thomas E. 1663
Anemia
  EPO therapy, in CRF 622
  glomerular dysfunction in sickle cell 826
  rHuEPO effect 5/6 nephrectomized rat (abst) 945
Anesthesia, surgery, and nitric oxide 1943
Aneurysm, dissecting, hypokalemia, hypertension with adrenal tumor (abst) 945
Angiotensin-converting enzyme (ACE)
  chronic diuresis and renal tubular cells 36
  gene polymorphism, cardiac changes post-transplant . . . 1205
  gene polymorphism, childhood reflux nephropathy (abst) 950
  gene polymorphism in NIDDM nephropathy (abst) 946
  genotypes and diabetic hyperfiltration 119
  inhibitors, aspirin, dipyridamol therapy in IgAN (abst) . . 969
Angiotensin II (Ang II)
  alters [Ca]i in MC of diabetic rats 87
  induces PAI-1 in MC 664
  intraluminal, RPP, acute volume expansion 44
  L-arginine in tissue fibrosis 1481
  PAI-1 modulation, endothelial injury 164
  synthesis/metabolism changes with Na loading (abst) . . 1309
  TGF-β1, post-subtotal nephrectomy 1553
Anion exchanger AE1 regulation and H^+-ATPase in acidosis/alkalosis 125
Antenatal hydronephrosis due to UPJ obstruction (abst) . . 951

Anti-angiogenic TNP-470 inhibits MC proliferation 1838
Anti-glomerular basement membrane nephritis
anti-IFNγ inhibits crescent formation and cutaneous DTH (abst) 1319
IL-10 treatment in rats 1809
macrophage migration inhibitory factor (abst) 1313
susceptibility to, HLA-DRB1 genes and 222
Anti-interferonγ antibody inhibits cutaneous DTH, crescent formation in anti-GBM GN (abst) 1319
Anti-platelet antibodies, heparin-induced thrombocytopenia (abst) 952
Anti-Thy-1 antibodies, induce apoptosis of rat MC 173
Anti-Thy-1 nephritis, TGF-β1 and PDGF β in mice (abst) 967
Anti-thymocyte antibody-induced GN, MCP-1, monocyte/macrophage influx 770
Antibiotics, catheter-related sepsis without catheter removal (abst) 945
Antibodies
agonistic anti-Fas, glomerular apoptosis 1739
anti-IFNγ inhibits crescent formation and cutaneous DTH (abst) 1319
antibody independent crescentic GN 672
dimeric monoclonal IgA anti-Thy-1, apoptosis of MC ... 173
GN, crescent formation in μ chain deficient mice (abst) 1319
porcine xenoantigen Galα(1,3) Gal eliminated (abst) .. 1324
porcine xenoantigen Galα(1,3) Gal in transgenic mice (abst) 1323
Anticardiolipin antibody (ACA), lupus anticoagulant in vascular access occlusion (abst) 952
Anticoagulation. *See* Heparin
Antidiuretic hormones, VP and oxytocin function as (abst) 949
Antigens
HLA system, antigen processing and presentation 58:S-2
porcine xenoantigen Galα(1,3) Gal eliminated (abst) .. 1324
porcine xenoantigen Galα(1,3) Gal in transgenic mice (abst) 1323
Antihypertensive therapy
diet and diabetes 58:S-66
ECM, mononuclear cells in UNX SHR 750
short-term, GFR and stability of renal function 793
Antioxidants
dietary, inhibits lipoprotein oxidation in FSGS 1151
vitamins and EPO production 497
Apical Na-H exchange, IGF-1, human PTC (abst) 1323
Apoptosis
acute rejection, clinicopathology (abst) 962
agonistic anti-Fas antibodies induce glomerular 1739
B-cell selection, in the germinal center (abst) 1321
developing renal corpuscles, prenatal rat kidney (abst) .. 967
Fas, ICE and autoimmunity, CrmA transgenic and *lpr* mice (abst) 1321
induced in rat GMC by anti-Thy-1 antibodies 173
ionizing radiation, cytotoxic drugs induce in MC (abst) .. 968
mesothelial cells, PD solution induces 1280
pyelonephritis provokes, in infant rat renal cortex 1855
TIN, resolution of experimental (abst) 1312
tubulointerstitial nephritis (abst) 964
verapamil effect in CsA nephrotoxicity (abst) 968
Arg-Gly-Asp (RGD peptides) as therapeutics in acute renal injury 1487
Arsine gas exposure, management with CVVHD (abst) .. 1317
Arterial hypertension, renal consequences of, Nephrology Forum 1639
Arteriosclerosis in CRF 1678
Arteriovenous fistula (AVF)
closure, anaerobic threshold, cardiac output (abst) 1321
Thoratec 1327
As4.1 cell line and prorenin activation 104
Aspirin, dipyridamol, ACEi therapy in IgA nephropathy (abst) 969
Atherosclerosis
in chronic renal failure 1678
CV disease, lipoprotein(a), CAPD (abst) 958
Atkins, Robert C. 2037
Atrial natriuretic peptide (ANP)
acute/chronic volume expansion, natriuresis (abst) 1307
mRNA in diabetic rat kidney 1100
physiologic role and diuretic efficacy 59:S-28
receptors in human CCD cell line 281
Australian Aborigines, renal disease in (abst) 1318
Autoimmunity
Fas and ICE in CrmA transgenic and *lpr* mice (abst) .. 1321
genetic susceptibility to anti-GBM disease 222
IL-12 in tubular epithelium of MRL-*Fas*^{lpr} mice 79
lupus, mycophenolate mofetil limits renal damage 1583
Autosomal dominant polycystic kidney disease (ADPKD)
complications of, Nephrology Forum 353
extrarenal manifestations, Nephrology Forum 2022
sex hormones and fluid secretion in MDCK cells 1535
Axial skeletal BMD changes, post-parathyroidectomy (abst) 1308
Azathioprine, CsA and lipid peroxidation 1608
Azotemia
in PKD rats 1160
prerenal, clinical characteristics in elderly (abst) 965

B

B-cell selection and apoptosis in the germinal center (abst) 1321
Baker's yeast (*Saccharomyces cerevisiae*), hypoxia in 507
Basal serum biochemical markers of survival, HD (abst) .. 956
Benign familial hematuria, thin GBM nephropathy 1596
β_2-microglobulin (β_2-m)
amyloid, histological prevalence in HD 1928
amyloid, modified with imidazolone, dialysis 187
binding to collagen-AGE in DRA 1514
Bicarbonate
concurrent salbutamol, acute therapy of hyperkalemia (abst) 957
muscle mass in metabolic acidosis (abst) 948
Bikunin, high glomerular permeability 1053
Bioelectrical impedance, LBM derived from, in ESRD, HD (abst) 955
Bioimpedance spectroscopy, postural changes, volume estimation 1078
Biopsy, renal
11βHSG2 findings in renal disease (abst) 1310
absence of H^+-ATPase in distal renal tubular acidosis (abst) 948
allograft histopathology in recipients (abst) 962
early protocol allograft, graft outcome and 310
expression of multiple cytokines, human (abst) 1311
manual and automated, comparative study (abst) 968
percutaneous, complications after 969
Biopty gun, percutaneous kidney biopsy (abst) 1316
Biostat urea monitor

evaluates solute clearance, dialysis adequacy (abst) 1330
evaluation of (abst) 1329
Blood lipids and PAI-1 in CsA nephropathy 1818
Blood pressure
Ang II and L-arginine in tissue fibrosis 1481
central response to ROS, CRF (abst) 954
hypoalbuminemia, HD 1212
low Ca dialysate, Ca metabolism, CAPD (abst) 1328
nycthemeral pattern in treated hypertension, HD 1863
Blood transfusion during heparin-free HD 2018
Bone disease
Ca handling in ovariectomized rat 1719
Ca stone risk factors, post-transplant 804
fractures, vitamin K and *i*PTH 1218
parathyroid Ca sensing 1590
predialysis patients in Korea (abst) 956
site specific risk factors, dialysis (abst) 1329
steroid-induced, frequently relapsing childhood MCNS, 1α(OH)-vitamin D_3 (abst) 965
Bone mineral density (BMD)
axial skeletal changes, post-parathyroidectomy (abst) .. 1308
i.v. calcitriol effect, SHPTH, chronic HD (abst) 955
pitfalls of DXA in dialysis (abst) 1329
Brain
edema, pathogenesis and therapy 59:S-69
intrinsic erythropoietin production 416
oxygen pressure in 372
Brain natriuretic peptide (BNP)
ouabain, effects in saline-loaded sheep (abst) 1308
release, body fluid balance (abst) 950
Breast cancer, postmastectomy edema 59:S-76
Brush border membrane (BBM) vesicles, cadmium effect on Na-Pi transport, rabbits (abst) 949
Bull terrier hereditary nephritis as model for Alport syndrome (abst) 1320

C

C-type natriuretic peptide (CNP) receptors in human CCD cell line 281
C3
activated, and IgA nephropathy 1257
gene expression, TNF-α regulates in endothelial cells 703
receptors, cultured rat glomerular endothelial cells 1124
C6, extrahepatic/hepatic, generation of renal C5b-9 1788
CA125 in peritoneal effluent 888
Cadmium effect in Na-Pi transport, rabbit BBM vesicles (abst) 949
Calciphylaxis in renal failure (abst) 1315
Calcitonin effect on calcium transport 1999
Calcitriol
i.v. effect on SHPTH and BMD, chronic HD (abst) 955
tubular Ca reabsorption in CRF (abst) 1308
Calcium
-induced mitochondrial swelling by CsA (abst) 964
cytosolic, Ang II and norepinephrine, MC of diabetic rats 87
cytosolic, hypoxia and tyrosine hydroxylase gene expression 536
handling in ovariectomized rat 1719
intracellular, myoglobin cytotoxicity in PT cells 728
intracellular, PTC elevation, PTH-PTHrP, V1a, AT1 receptors in diabetes 1950
metabolism, low Ca dialysate, BP, CAPD (abst) 1328
pump inhibitors in uremic plasma 1042
reabsorption, defective in genetic hypercalciuric rats 1540
reabsorption in CRF, calcitriol (abst) 1308
receptor, parathyroid expression in hyperparathyroidism 328
salt urolithiasis, thermodynamic equilibrium model (abst) 1315
sensing in renal osteodystrophy, PTH and 1590
transport, calcitonin effect on 1999
urinary excretion, children with UTI (abst) 967
Calcium channel blockers
skeletal muscle metabolism (abst) 1306
verapamil, apoptosis in CsA nephrotoxicity (abst) 968
verapamil, morphology and CsA nephrotoxicity (abst) .. 965
Calcium oxalate
monohydrate crystals, renal cell OPN release 679
urinary supersaturation, post-transplant 804
Calculi
Ca salt urolithiasis, thermodynamic equilibrium model (abst) 1315
Ca stone risk factors, post-transplant 804
crystal inhibition in rats 640
defective calcium reabsorption 1540
supersaturation and stone composition 894
Cameron, J. Stewart 2060
Cancer
postmastectomy edema 59:S-76
thyroid, overlap type of polyarteritis nodosa (abst) 946
tumor markers in CRF (abst) 954
Carbachol, renal Na-HCO_3 cotransporter 1069
Carbohydrate metabolism, role of oxygen in zonation of .. 402
Cardiovascular disease
atherosclerosis and arteriosclerosis in CRF 1678
atherosclerotic, Lp(a), CAPD (abst) 958
BP variability in ESRD 1863
heart failure, diuretic-resistant edema in 59:S-66
heart failure, hemofiltration in severe 59:S-62
heart failure, water and Na retention in 59:S-57
hypercholesterolemia and transplantation (abst) 1322
LVH post-transplant 1205
screening elderly transplant recipients for (abst) 1322
Cardiovascular function
As4.1 cell line and prorenin activation 104
cardiac output and AVF closure (abst) 1321
renal function in the elderly 1196
Carnitine deficiency, skeletal muscle metabolism, CRF (abst) 1309
Catheters. *See* Vascular access
$CD8^+$ T-cell depletion, proteinuria, Heymann nephritis (abst) 1325
CD28:B7 costimulatory interaction, alloimmune responses 58:S-8
CD40-induced chemokine production by hPTEC 711
Cell death in hypoxia and tyrosine phosphorylation 1747
Cell proliferation modulated by integrin cytoplasmic domain 1434
Cellular immunity, determinants of susceptibility to GN 646
Central neurons, sensing oxygen deprivation in 467
Cerebral edema after treatment of DKA 1237
Chemokines
anti-Thy antibody-induced GN, MCP-1 770
CD40-induced production by hPTEC 711
MCP-1 pathogenesis in cryoglobulinemic GN 153
regulation by IL-6-like cytokines 1754
renal disease and 610
Chemotherapeutic cisplatin, reversible multiorgan failure with (abst) 948

Children. *See also* North American Pediatric Renal Transplant Cooperative Study
ACE gene polymorphism in reflux nephropathy (abst) .. 950
born to transplant recipient mothers (abst) 1322
CVVH and CVVHD in critically ill (abst) 1326
edema in 59:S-100
enhanced LDL uptake, nephrosis (abst) 1313
frequently relapsing MCNS, 1α(OH)-vitamin D_3, osteoporosis (abst) 965
growth factors in CRF 1970
LH receptor inhibitors in boys with CRF 777
long-term rhGH in CRI 58:S-114
membranous GN, clinical studies (abst) 970
PermCath HD access catheters (abst) 952
renal outcome one-year after UTI (abst) 1305
TGBM disease without glomerular IgA deposits (abst) .. 969
UTI, Australian Aborigines (abst) 1318
VUR therapy prevents ESRD from reflux nephropathy (abst) 1306
Chinese medicine, NEP monitors PT injury, herbal nephropathy 288
Chloride channel blockers, cytoprotective effects in hypoxia 1529
Chloride channels, volume regulation and 477
Chlorothiazide alters Mg^{2+} transport in DCT 1008
Cholesterol, blood lipids and PAI-1 in CsA nephrotoxicity 1818
Cholinergics, carbachol and renal Na-HCO_3 cotransporter 1069
Chronic renal failure (CRF)
atherosclerosis and arteriosclerosis in 1678
central pressor response to ROS (abst) 954
diuretic therapy in 59:S-33
EPO therapy of anemia in 622
extended IGF-1 use 840
GH/IGF axis, derangements in 58:S-106
growth factors in children 1970
immature reticulocytes indicate erythropoiesis (abst) ... 953
isolated C3 mesangial proliferative GN (abst) 946
LH receptor inhibitors in boys 777
NS pathologic types, protein C and S (abst) 965
renal nerves and hypertension 722
skeletal muscle metabolism, propionyl L-caritine (abst). 1309
tubular Ca reabsorption, calcitriol (abst) 1308
tumor markers in (abst) 954
Chronic renal insufficiency (CRI), long-term rhGH in children 58:S-114
Ciprofloxacin, gentamicin, compared in acute pyelonephritis (abst) 1316
Cirrhosis, water and Na retention in 59:S-43
Cisplatin-based chemotherapy, reversible multiorgan failure with (abst) 948
Cobalt chloride
oxygen sensing pathways in HepG2 cells 483
ROS and EPO production 492
COL4A5 mutation screening method, Alport syndrome (abst) 1324
Collagen III myofibroblast and α_1(III) expression in TIN .. 926
Collagen IV synthesis and endothelial cell proliferation (abst) 964
Complement
activated C3 and IgAN 1257
C3 receptors, cultured rat glomerular endothelial cells . 1124
extrahepatic C6 and renal C5b-9 1788
synthesis by endothelial cells 703
Congenital nephrotic syndrome, Finnish type, DNA-based diagnosis 868
Connective tissue, PDGF as regulator in embryogenesis, pathogenesis 1361
Continuous ambulatory peritoneal dialysis (CAPD)
AGE peritoneal accumulation/detection 182
albumin infusion, serum Lp(a) concentration (abst) 958
atherosclerotic CV disease, Lp(a) (abst) 958
clinical outcome predictors (abst) 959
connector systems compared, peritonitis and (abst) 960
disconnect/discard system assessment (abst) 1327
exit-site infection, surgical management (abst) 960
fluid transfer systems compared (abst) 1329
fusidic acid concentrations in dialysate (abst) 1328
gastric emptying time (abst) 957
human peritoneal fibroblast in 3D culture 205
IGF-1 and nutritional status (abst) 960
laparoscopic Tenckhoff catheter insertion (abst) 1328
lean body mass measurements compared (abst) 959
low Ca dialysate, Ca metabolism, BP (abst) 1328
nitroprusside and peritoneal permeability 1885
outcome comparison, older/younger patients (abst) 957
peritoneal membrane transport, nutritional status (abst) 958
risk factors for hypercalcemia (abst) 959
serum albumin as morbidity/mortality predictor (abst) .. 959
serum Lp(a), apolipoprotein(A) (abst) 958
surgical aspects of PD (CAPD) access (abst) 1328
Continuous veno-veno hemodialysis (CVVHD)
arsine gas exposure, ARF (abst) 1317
in critically ill children (abst) 1326
Continuous veno-venous hemofiltration (CVVH) in critically ill children (abst) 1326
Contrast media effects in acute ureteral obstruction 653
Cortical collecting ducts (CCD)
natriuretic peptide receptors in human cell line 281
sodium nitroprusside, effects in rats 473
Creatinine
clearance, as index of nutritional status (abst) 954
fingernail concentration, as RF marker (abst) 1317
generation rate and LBM, in PD 855
serum, ESRD prognostic significance 850
Crescent formation, anti-IFNγ inhibits cutaneous DTH, anti-GBM GN (abst) 1319
Crescentic glomerulonephritis
antibody independent 672
fibrin dependent, T-cells, tissue factor pathway inhibitor (abst) 1320
IL-10 treatment in rats 1809
SK&F105685 suppresses cutaneous DTH, rats (abst) .. 1325
Th1 cells direct crescent formation, mice 94
tissue factor inhibition, renal injury, fibrin deposits (abst) 1310
tissue factor pathway inhibitor, fibrin deposits (abst) ... 1313
TNF-α, IL-1 blocking, rats (abst) 1325
Crush syndrome, ARF due to (abst) 966
Cryoglobulinemic membranoproliferative GN, pathogenetic role of MCP-1 153
Cyclic adenosine monophosphate (cAMP)
-responsive HIF-1 DNA recognition site 564
hepatorenal link, proximal reabsorption, renal hemodynamics 59:S-50
Cyclic ADP-ribose metabolism in glomeruli 1500
Cyclin kinase inhibitor determines MC proliferation 1088
Cyclins

E-cdk 2 activation, MC cycle control by TGF-β1 1228
expression during renal development 762
Cyclophosphamide therapy, lupus nephritis, renal survival in black Americans 1188
Cyclosporine (CsA)
-induced remission of relapsing MCNS (abst) 946
cellular proliferation during compensatory renal growth (abst) 965
lipid peroxidation, post-transplant 1608
steroid-resistant idiopathic NS 58:S-85
Cyclosporine (CsA) nephrotoxicity
blood lipids and PAI-1 in 1818
inhibition of Ca-induced mitochondrial swelling in kidney (abst) 964
verapamil, morphologic effect of (abst) 965
verapamil effect on apoptosis (abst) 968
Cystinuria and SLC3A1 mutation 1893
Cytochrome b_{558} and oxygen sensing 479
Cytochrome P450-derived renal HETEs 1696
Cytokines
action, importance of context in 1352
biology of TGF-β, knockout and transgenic mouse models 1355
expression of multiple, human renal biopsies (abst) 1311
gelatinase A and MC growth 1397
human peritoneal fibroblast in 3D culture 205
IL-6, LIF, oncostatin, regulate chemokines 1754
immune injury, TGF-β and endothelial cells 1401
immunosuppressive drug comparisons on mRNA profiles, human MLC (abst) 1320
linkage analysis and ESRD 819
macrophage migration inhibitory factor, anti-GBM GN (abst) 1313
PDGF and connective tissue 1361
regulate LTB4 synthesis in monocytes 1520
regulation of vascular morphogenesis by SPARC 1383
schistosome-induced granuloma and fibrosis 1370
TGF-β, activation of latent 1376
TGF-β in kidney fibrosis, gene therapy target 1388
Cytomegalovirus (CMV)
detection in transplant recipients (abst) 961
gancyclovir, optimal indication of treatment (abst) 961
Cytotoxicity
drugs, ionizing radiation induce MC apoptosis (abst) ... 968
in glomeruli, T-cells in Heymann nephritis 1059
myoglobin, in PT cells 728
pyruvate dialysate and PD toxicity 860

D

Decorin expression in hydronephrosis 1133
Delayed-type hypersensitivity
antibody independent GN, crescent formation in μ chain deficient mice (abst) 1319
cutaneous, anti-IFNγ inhibits crescent formation, anti-GBM GN (abst) 1319
cutaneous, crescentic GN, suppressed by SK&F105685, rats (abst) 1325
Denys-Drash syndrome, WT1 gene mutation, molecular genetic study (abst) 949
Desferrioxamine
oxygen sensing pathways in HepG2 cells 483
ROS and EPO production 492
Diabetes
ANP mRNA in rat kidneys 1100
$[Ca^{2+}]_i$, PTH, V1a, AT1 receptors in 1950
mesangial cell actin disassembly 1797
Diabetes mellitus (DM)
intrarenal IGF-1, regional changes in 811
oxidant stress in kidney (abst) 1314
post-transplant (abst) 963
type II, hereditary factors in 1602
type II, intrarenal vascular resistance 1920
Diabetic ketoacidosis, cerebral edema after treatment of . 1237
Diabetic nephropathy (DN)
ACE gene polymorphism, renal hemodynamics 119
ACE gene polymorphism in NIDDM (abst) 946
AGE binding, quantitation and receptor, rat kidney (abst) 1314
AGE pathogenic role (abst) 947
AGE pathophysiologic role in CAPD 182
[Ca]i, Ang II, norepinephrine in rat MC 87
elevated plasma total renin precedes microalbuminuria (abst) 1309
glycated albumin modulates NO production 27
hereditary factors in type II diabetes 1602
intrarenal hemodynamic abnormalities measured 1920
lipoprotein metabolism, antioxidants, IDDM (abst) 1305
morphometric analysis of mesangium 1624
MRI and kidney morphology 50
myofibroblasts correlate with fibrotic markers (abst) ... 1314
pathogenesis, glomerular mechanical strain in 57
perindopril, enalapril compared (abst) 1309
progression, glucose control and (abst) 947
proteinuric progressive, renal ET 58:S-66
"What doctors don't know about kidneys," by Senator Jake Garn 1340
Dialysate
dialyzer urea mass transfer-area coefficients 2013
low Ca, BP, Ca metabolism in CAPD (abst) 1328
PD, induces mesothelial cell apoptosis 1280
PD solutions with thiol compounds, glucose degradation (abst) 1330
pyruvate, PD toxicity and 860
Dialysis
chronic HD, dryness, and fluid overload 59:S-39
diet and metabolic acidosis (abst) 955
HCV infection 981
increased reticulated platelets 834
osteopenia, site specific risk factors (abst) 1329
peracetic acid dialyzer re-use program (abst) 1330
post-dialysis urea concentration, estimation of equilibrated 2000
Dialyzer urea mass transfer-area coefficients 2013
Diet
antihypertensives and diabetes 58:S-66
antioxidants inhibit lipoprotein oxidation in FSGS 1151
low protein, metabolism in uremia 1222
metabolic acidosis in chronic dialysis (abst) 955
Modification of Diet in Renal Disease Study Group ... 1908
Dioxin-regulated gene expression, mouse hepatoma cells .. 567
Dipyridamol, aspirin, ACEi therapy in IgA nephropathy (abst) 969
Distal convoluted tubule cells
phosphate depletion and Mg^{2+} uptake in mouse DCT . 1710
thiazides alter Mg^{2+} transport 1008
Distal renal tubular acidosis, absence of H^+-ATPase on biopsy (abst) 948
Diuretics
-resistant edema in heart failure 59:S-66
adverse reactions of 59:S-16

loop, ACE, chronic diuresis and renal tubular cells..... 36
mechanism of action, renal transport and 59:S-11
thiazides alter Mg^{2+} transport in DCT 1008
thiazides correct SHR hypercalciuria..... 1018
use in chronic renal failure 59:S-33
use in hypertensives..... 59:S-36
DMSA renal scan, acute pyelonephritis, adults (abst).... 1319
DNA
-based diagnosis, congenital NS, Finnish type 868
damage, tyrosine phosphorylation in hypoxia..... 1747
HIF-1 recognition site is cAMP responsive..... 564
library screening, changing patterns of gene expression.. 920
representational difference analysis, gene cDNA in embryonic kidney..... 1629
DOCA-salt hypertensive rats, isolated kidney function (abst)..... 1307
Donor kidneys
age/sex and graft survival rates (abst) 962
cadaveric, donor factors, early graft function (abst)..... 961
living related, flow cytometry crossmatch (abst)..... 961
Doppler sonography
duplex, measures intrarenal hemodynamic abnormalities in DN..... 1920
evaluates percutaneous renal biopsy complications (abst)..... 969
Dual energy x-ray absorptiometry (DXA) pitfalls in dialysis (abst)..... 1329

E

Early growth response gene-1 (Egr-1), MC proliferation .. 694
Early protocol renal allograft biopsies..... 310
Ecto-5′-nucleotidase in kidney and liver 479
Edema
ANP effects in healthy and renal subjects 59:S-28
in the brain, pathogenesis and therapy 59:S-69
in childhood..... 59:S-100
chronic arm, after breast cancer therapy..... 59:S-76
dialysis, dryness, and fluid overload..... 59:S-39
diuretic-resistant, in heart failure..... 59:S-66
diuretic therapy in CRF..... 59:S-33
diuretic therapy in hypertensives..... 59:S-36
diuretics, adverse reactions of 59:S-16
diuretics and renal transport 59:S-11
formation, the problem of..... 59:S-1
hemofiltration in severe heart failure..... 59:S-62
history of, and its management 59:S-118
history of common salt..... 59:S-127
in the ICU, causes of..... 59:S-105
myxedema and hypothyroidism 59:S-82
neonatal..... 59:S-97
in nephrotic syndrome..... 59:S-21
in nephrotic syndrome, intractable..... 58:S-75
overview of edematous states..... 59:S-2
pathogenesis of formation in NS 58:S-72
plants as sources of salt 59:S-114
plasma cAMP and renal function..... 59:S-50
in pregnancy..... 59:S-90
unusual disorder of salt and water balance 59:S-111
VP and oxytocin as antidiuretic hormones (abst)..... 949
water and Na retention in cirrhosis 59:S-43
water and Na retention in heart failure..... 59:S-57
Elderly
CAPD outcome comparison, older/younger patients (abst)..... 957
prerenal azotemia, clinical characteristics (abst) 965
renal function in..... 1196
11β-hydroxysteroid dehydrogenase type II, biopsy findings in renal disease (abst)..... 1310
Embryogenesis
adhesion receptors in development and remodeling ... 1427
PDGF as connective tissue regulator in..... 1361
Enalapril, perindopril, compared in DN (abst) 1309
End-stage renal disease (ESRD)
advanced glycoxidation in renal failure 1170
bicarbonate and salbutamol in hyperkalemia (abst)..... 957
familial juvenile nephronophthisis type 1..... 261
hypertensive nephrosclerosis in African Americans..... 244
LBM from BIA, other nutritional parameters (abst).... 955
linkage analysis of cytokines 819
osteodystrophy, predialysis patients in Korea (abst) 956
plasma amino acids, Koreans and Americans compared (abst)..... 954
serum creatinine, prognostic significance..... 850
VUR treatment, children, reflux nephropathy (abst)... 1306
Endothelial cells
C3 receptors, cultured rat glomerular 1124
CD40-induced chemokine production by hPTEC 711
chronic rejection, leukocyte interactions 58:S-22
complement synthesis by 703
glycated albumin modulates NO production 27
human GMVEC, TNF-α, verocytoxin cytotoxicity..... 1245
HUT11 expression in kidney vasa recta..... 138
hypoxia-induced modulation, IL-6 and..... 419
hypoxic stress proteins..... 426
immune injury and TGF-β..... 1401
PAI-1, Ang II and endothelial injury..... 164
proliferation and collagen IV synthesis (abst) 964
Endothelin-1 (ET-1)
activates c-*Jun* NH_2-terminal kinase in MC..... 631
immunoreactivity in glomerular diseases (abst)..... 969
rHuEPO effect, plasma proET-1 and ET-1, HD (abst).. 956
Endothelin (ET)
NO interactions, increased dietary salt (abst) 950
proteinuric progressive renal disease, DM..... 58:S-66
renin synthesis and NO production 1780
Energy metabolism. *See* Tissue oxygen tensions and energy metabolism
Epinephrine, sources of human urinary..... 324
Epithelial cells (EC)
glomerular, FGF2-induced changes in PAN 301
glomerular, HB-EGF in GN models (abst) 1323
glomerular, promoter activated by..... 1265
osteopontin regulation in cultured rat renal..... 1766
oxidized LDL, TGF-β, fibronectin in human GEC 147
Erythrocytes, splanachnic, hypovolemia and 1986
Erythropoiesis, immature reticulocyte count in CRF (abst)..... 953
Erythropoietin (EPO)
detection in human liquor 416
ERBP binding to EPO RNA requires hsp70..... 579
gene expression, oxygen-dependent regulation..... 502
gene expression, oxygen regulated modeled..... 514
gene regulation, hypoxia and..... 548
production, site of 393
production and antioxidant vitamins 497
production and reactive O_2-species 492
production in HepG2 cells..... 483
rHuEPO, intradialytic effects, vasoactive substances, HD (abst)..... 956
rHuEPO, plasma proET-1 and ET-1, HD (abst)..... 956

rHuEPO for anemia in 5/6 nephrectomized rat (abst)... 945
therapy of anemia in CRF... 622
unexpected hypoxia-dependent secretion... 413
Escherichia coli
UTI in children, increased urinary Ca excretion (abst)... 967
verotoxigenic and hemolytic uremic syndrome... 58:S-91
verotoxigenic and hemolytic uremic syndrome (abst)... 1305
ESPRIT Study Group, morphometric analysis of mesangium... 1624
Esterified renal P450-HETEs... 1696
Estrogen and calcium handling in ovariectomized rat... 1719
Extracellular matrix (ECM)
antihypertensive therapy in UNX SHR... 750
remodeling in wound-like renal injury (abst)... 1321
Extrahepatic C6 and renal C5b-9... 1788
Extrarenal manifestations of ADPKD, Nephrology Forum... 2022

F
Familial benign hematuria, thin GBM nephropathy... 1596
Familial juvenile nephronophthisis... 261
Fas
glomerular injury and... 1739
ICE and autoimmunity, CrmA transgenic and *lpr* mice (abst)... 1321
Femoral vein, HD cannulation with ultrasound (abst)... 951
Fibrin deposits
tissue factor inhibition, crescentic GN, renal injury (abst)... 1310
tissue factor pathway inhibitor, crescentic GN, T-cells (abst)... 1320
tissue factor pathway inhibitor, crescentic GN (abst)... 1313
Fibroblast growth factor (FGF)
basic, p27 levels determine MC proliferation... 1088
FGF-1, FGF-2 immunolocalized in embryonic rat kidney (abst)... 1308
FGF-1, FGF-2 receptor expression in glomeruli (abst)... 1308
FGF-2 induces glomerular EC injury in PAN... 301
PAN-induced nephrosis (abst)... 1311
receptors in rat glomeruli... 1729
Fibroblasts
cortical, paracrine growth-regulatory interactions, human kidney (abst)... 1307
human peritoneal, in 3D culture... 205
Fibronectin
oxidative stress in HG-induced TGF-β in MC (abst)... 967
oxidized LDL stimulates in human GEC... 147
Fibrosis
Ang II and L-arginine in tissue... 1481
renal interstitial, age-related GS, in Milan normotensive rats... 230
renal interstitial, myofibroblast and α_1(III) collagen expression... 926
TGF-β in kidney, gene therapy target... 1388
5-lipoxygenase pathway, cytokine regulation of LTB4 synthesis in monocytes... 1520
Flow cytometry
crossmatch, lymphocytotoxic crossmatch compared, living related donors (abst)... 961
CsA, cellular proliferation during compensatory renal growth (abst)... 965
Focal segmental glomerular sclerosis (FSGS)
distinctive renal ultrasound findings (abst)... 1315
fibrogenic growth factors, altered expression... 195
lipoprotein oxidation in... 1151
minimal change nephropathy and... 58:S-80
treatment, outcome in adults (abst)... 970
Fractures, bone, vitamin K and *i*PTH... 1218
Fucosyltransferase genes, selectin ligands and leukocytes... 1418
Furosemide abuse, medullary nephrocalcinosis (abst)... 950
Fusidic acid, CAPD dialysate concentrations after oral administration (abst)... 1328

G
Galactose α(1,3)-Gal porcine xenoantigen
eliminated, xenotransplantation models (abst)... 1324
expression reduced in transgenic mice (abst)... 1323
Gancyclovir, optimal early CMV treatment (abst)... 961
Garn, Senator Jake... 1340
Gastric emptying time and CAPD (abst)... 957
Gastrointestinal hemorrhage post-transplant (abst)... 1322
Gelatinase A as glomerular MC growth, differentiation factor... 1397
Gene expression
EPO, oxygen-dependent regulation, rat hepatocytes... 502
in liver, role of oxygen and... 402
VEGF and VEGF receptor, by hypoxia... 448
Gene therapy
Alport syndrome... 1493
TGF-β in kidney fibrosis... 1388
Genetics. *See also* Hypoxia-induced gene transcription
ACE gene polymorphism in childhood reflux nephropathy (abst)... 950
ACE gene polymorphism in NIDDM nephropathy (abst)... 946
bull terrier hereditary nephritis, models Alport syndrome (abst)... 1320
changing patterns of gene expression... 920
COL4A5 mutation screening method, Alport syndrome (abst)... 1324
cystinuria and SLC3A1 mutation... 1893
familial juvenile nephronophthisis type 1... 261
gene cDNA in embryonic kidney... 1629
hereditary factors, type II diabetes, diabetic nephropathy... 1602
linkage analysis of cytokines in ESRD... 819
linkage studies in TBM disease (abst)... 1320
macrophage transfer into the glomerulus... 1274
PAI-1 gene polymorphism, thrombotic risk post-transplant (abst)... 1322
partial cloning of rat GBM HSPG, perlecan (abst)... 964
plasminogen/plasmin system gene deficiencies, GN (abst)... 1324
polymorphism of IL-1 receptor antagonist gene... 1938
promoter activated by glomerular epithelium... 1265
selectin ligands, leukocytes and Fuc-TVII... 1418
susceptibility to anti-GBM disease... 222
thrombosis post-transplant, determinants of (abst)... 1325
in the vasculature, role of oxygen... 438
WT1 gene mutation in Denys-Drash syndrome (abst)... 949
Gentamicin, ciprofloxacin, compared in acute pyelonephritis (abst)... 1316
Giebisch, Gerhard... 2046, 2052
Gitelman's syndrome, renal K wasting, Mg repletion (abst)... 948
Glomerular basement membrane (GBM)
family history in thin GBM nephropathy... 1596
genetic susceptibility to anti-GBM disease... 222
partial cloning, HSPG, perlecan (abst)... 964
TGBM disease, clinicopathology (abst)... 970

TGBM disease without IgA deposits, children (abst) ... 969
Glomerular capillary growth, puromycin aminonucleoside, rats (abst) ... 1311
Glomerular cells
apoptosis induced in rat MC by anti-Thy-1 antibodies ... 173
endothelial, C3 receptors, rat ... 1124
epithelial, HB-EGF in GN models (abst) ... 1323
human GMVEC, TNF-α, verocytoxin cytotoxicity ... 1245
mesangial, adhesion molecules in ... 1447
mesangial, lysophosphatidic acid dual effect ... 1022
mesangial, morphometric analysis of ... 1624
Glomerular disease
ET-1 immunoreactivity in (abst) ... 969
human, molecular biology of ... 58:S-62
mechanical strain in diabetic nephropathy ... 57
Glomerular filtration rate (GFR)
renal cell injury, nature of ... 1341
renal function stability, short-term antihypertensives ... 793
Glomerular function
high permeability of bikunin ... 1053
lipoprotein metabolism, antioxidants in DM (abst) ... 1305
sickle cell anemia and ... 826
Glomerular injury
agonistic anti-Fas antibodies in apoptosis ... 1739
pp60c-src modulates MC phenotype ... 110
transforming growth factor-β and ... 1388
Glomerulonephritis (GN)
anti-GBM, anti-IFNγ inhibits crescent formation and cutaneous DTH (abst) ... 1319
anti-Thy-1 nephritis, concurrent expression, TGF-β1 and PDGF β, mice (abst) ... 967
anti-Thy antibody-induced, chemokines and ... 770
antibody independent, crescent formation in μ chain deficient mice (abst) ... 1319
crescent formation, Th1 cells direct in mice ... 94
crescentic, antibody independent ... 672
crescentic, fibrin dependent, T-cells, TFPI changes (abst) ... 1320
crescentic, IL-10 treatment in rats ... 1809
crescentic, SK&F105685 suppresses cutaneous DTH, rats (abst) ... 1325
crescentic, tissue factor inhibition (abst) ... 1310
crescentic, tissue factor pathway inhibitor, fibrin deposits (abst) ... 1313
crescentic, TNF-α, IL-1 blocking, rats (abst) ... 1325
cryoglobulinemic, pathogenetic role of MCP-1 ... 153
Egr-1 and MC proliferation ... 694
fibrogenic growth factors, altered expression ... 195
HB-EGF in models, glomerular EC expression (abst) ... 1323
immune complex, leukocyte migration, adhesion receptors ... 1469
immunologic determinants of susceptibility ... 646
isolated C3 mesangial proliferative, CRF progression (abst) ... 946
membranoproliferative, IgG subclasses in ... 270
membranous, children, clinical studies (abst) ... 970
membranous, idiopathic, outcome (abst) ... 970
membranous, idiopathic MPGN, clinicopathology (abst) ... 970
plasminogen/plasmin system gene deficiencies in mice (abst) ... 1324
resolution phase of acute, lipoxins and leukocytes ... 58:S-56
Th1 cells direct crescent formation, mice ... 94
tubulointerstitial processes (abst) ... 1306
Glomerulosclerosis (GS)
age-related, renal findings in normotensive Milan rats ... 230
FSGS, distinctive renal ultrasound findings (abst) ... 1315
FSGS, fibrogenic growth factors, altered expression ... 195
FSGS, lipoprotein oxidation in ... 1151
FSGS, minimal change nephropathy and ... 58:S-80
FSGS, treatment, outcome in adults (abst) ... 970
oxidized LDL, TGF-β, fibronectin in human GEC ... 147
Glomerulus
cyclic ADP-ribose metabolism in ... 1500
FGF receptors in rat ... 1729
FGF2 induces EC injury in PAN ... 301
genetically engineered macrophages, transfer of ... 1274
Th1, cytotoxic cells, T-cells in Heymann nephritis ... 1059
Glucose
control in progression of DN (abst) ... 947
degradation, reactive chemical species, PD dialysate with thiol (abst) ... 1330
high, MC actin disassembly in ... 1797
metabolism, low protein diet in uremia ... 1222
PAI-1 gene polymorphism, thrombotic risk post-transplant (abst) ... 1322
pyruvate dialysate and PD toxicity ... 860
Glycated albumin modulates NO production, endothelial cells ... 27
Granuloma, schistosome-induced, hepatic fibrosis and cytokines ... 1370
Growth factors. *See also* Hypoxia-induced growth factor expression
FGF receptors in rat ... 1729
FGFs immunolocalized in embryonic rat kidney (abst) ... 1308
fibrogenic, altered expression in GN ... 195
HB-EGF expression, 5/6 nephrectomy model (abst) ... 1319
HB-EGF in GN models, glomerular EC expression (abst) ... 1323
HB-EGF in normal rat kidneys ... 1774
human peritoneal fibroblast in 3D culture ... 205
IL-10 in rat mesangial cells (abst) ... 1313
linkage analysis of cytokines in ESRD ... 819
modulated by GH in children with CRF ... 1970
VEGF and hypoxia ... 448, 560, 575
Growth hormone (GH)
chronic metabolic acidosis, IGF-1 ... 216
growth factors in children with CRF ... 1970
growth retardation and acidosis ... 58:S-102
IGF-axis, derangements in CRF ... 58:S-106
long-term rhGH in children with CRI ... 58:S-114
Growth retardation, rat renal cortex, pyelonephritis ... 1855

H

H^+-ATPase
absence on biopsy, distal renal tubular acidosis (abst) ... 948
AE1 anion exchanger regulation in acidosis/alkalosis ... 125
H^+-K^+-ATPase
α2 subunit gene in renal medulla, with hypokalemia (abst) ... 949
colonic overexpression, ischemic-reperfusion injury ... 1106
H_2O_2 myoglobin cytotoxicity in PT cells ... 728
Habib, Renée ... 2056, 2060
Hamburger Award ... 2056, 2060, 2062
Hantavirus
genetic diversity, HFRS and (abst) ... 964
serologic diagnosis in HFRS (abst) ... 963
Heart failure
diuretic-resistant edema in ... 59:S-66
hemofiltration in severe ... 59:S-62

Na and water retention in 59:S-57
Heat shock protein 70 (HSP), ERBP binding to EPO RNA 579
Hematuria, familial benign, thin GBM nephropathy 1596
Heme proteins. *See* Erythropoietin; Ion channels and heme proteins as oxygen sensors
Hemodialysis. *See also* Vascular access
1α(OH)-vitamin D_2 suppresses PTH in SHPTH 317
basal serum biochemical markers of survival (abst) 956
blood acetate level changes (abst) 953
blood transfusion during heparin-free 2018
BP variability in ESRD 1863
catheter-related sepsis, antibiotic therapy without catheter removal (abst) 945
chronic, dryness and fluid overload 59:S-39
CVVHD, ARF after arsine gas exposure (abst) 1317
heparin, LMWH compared to unfractionated (abst) 953
heparin-fraxiparine (CY216) (abst) 1326
heparin-induced thrombocytopenia (abst) 952
hepatitis G virus infection 348
histological β_2m amyloidosis in 1928
hypoalbuminemia and low diastolic BP 1212
IDPN in malnourished patients (abst) 1326
i.v. calcitriol effect, SHPTH and BMD (abst) 955
Kt/V, creatinine clearance as indices of nutrition (abst) . 954
LBM derived from BIA, other nutritional parameters (abst) 955
LDL oxidative status (abst) 1312
LDL subfraction profiles (abst) 1327
leptin clearance in renal failure 1980
maintenance and acid-base imbalance (abst) 953
membranes, heparin pre-rinsed hemophan (abst) 953
membranes, NO release in peripheral blood during 294
MRI findings in chronic shoulder pain (abst) 1316
multinational study of (abst) 1326
Na modeling, ultrafiltration profiling (abst) 1329
NO release in peripheral blood during 294
rHuEPO effect, plasma proET-1 and ET-1 (abst) 956
rHuEPO intradialytic effects, lipid peroxidation (abst) .. 956
serum Lp(a), apolipoprotein(A) (abst) 958
splanachnic erythrocytes and hypovolemia 1986
TBW estimation 1578
urea reduction ratios, albumin levels (abst) 1326
Hemofiltration
CVVH in critically ill children (abst) 1326
in severe heart failure 59:S-62
Hemolytic uremic syndrome (HUS)
plasmapheresis in postpartum (abst) 1317
thrombotic microangiopathy 58:S-97
verotoxin, TNF-α, effects on GMVEC 1245
verotoxin-producing *E. coli* and 58:S-91
verotoxin-producing *E. coli* and (abst) 1305
Hemorheological investigations in PKD (abst) 1317
Hemorrhagic fever with renal syndrome (HFRS)
diagnostic method using recombinant nucleocapsid proteins (abst) 963
genetic diversity of Hantavirus (abst) 964
Henoch-Schönlein nephritis, IL-1 receptor antagonist gene polymorphism 1938
Heparan sulfate proteoglycans (HSPGs), perlecan, partial cloning of rat GBM (abst) 964
Heparin
-free HD, blood transfusion during 2018
-induced thrombocytopenia in HD patients (abst) 952
LMWH compared to unfractionated, HD (abst) 953
lupus, and ACA in vascular access occlusion (abst) 952
pre-rinsed hemophan membrane, routine heparinization (abst) 953
Heparin-binding epidermal growth-like growth factor (HB-EGF)
distribution and mRNA in normal rat kidneys 1774
expression in 5/6 nephrectomy model (abst) 1319
glomerular EC expression, in GN models (abst) 1323
Heparin-dependent anti-platelet antibodies in HIT (abst) . 952
Heparin-fraxiparine (CY216) dose, safety, dialysis performance in HD (abst) 1326
Hepatic fibrosis, cytokines and schistosome-induced granuloma 1370
Hepatic lipase deficiency in NS 1933
Hepatitis C virus (HCV) in dialysis and transplantation ... 981
Hepatitis G virus (HGV) in hemodialysis patients 348
HepG2 cells, oxygen sensing pathway 483
Herbal nephropathy, NEP monitors PT injury 288
Heredity. *See* Genetics
Heymann nephritis
$CD8^+$ T-cell depletion, proteinuria (abst) 1325
T-cell mediation 1059
High anion gap metabolic acidosis, urine osmolar and anion gaps compared (abst) 949
High-density lipoprotein (HDL), oxygen radicals, renin release in JG cells 253
HPLC fractions, calcium pump inhibitors in uremic plasma 1042
Human immunodeficiency virus, renal TGF-β in associated renal diseases 1568
Human leukocyte antigens (HLA) processing and presentation 58:S-2
Human T-lymphotropic virus-1 (HTLV-1), renal disease, Australian Aborigines (abst) 1318
Human urea transporter (HUT11) expression in kidney vasa recta 138
HUT11 expression in kidney vasa recta 138
Hydrocortisone, leukocyte adhesion molecule expression (abst) 967
Hydrogen, IGF-1, apical Na-H exchange in human PTC (abst) 1323
Hydronephrosis
antenatal, due to UPJ obstruction (abst) 951
decorin expression 1133
insulin and rat renal microcirculation 1507
Hydroxyeicosatetraenoic acids (HETEs), cytochrome P450-derived renal 1696
Hyperapobetalipoproteinemia, microalbuminuria, IDDM (abst) 1305
Hypercalcemia, risk factors in CAPD (abst) 959
Hypercalciuria
crystal inhibition in rats 640
defective Ca reabsorption, rats 1540
thiazides correct, in hypertensive rats 1018
Hyperchloremic metabolic acidosis, Nephrology Forum ... 591
Hypercholesterolemia, transplantation and (abst) 1322
Hyperkalemia, concurrent bicarbonate and salbutamol, acute therapy (abst) 957
Hyperkalemic hyperchloremic metabolic acidosis, Nephrology Forum 591
Hyperlipidemia, simvastatin efficacy post-transplant (abst) 1315
Hyperosmolality, MMP9 in human peritoneal mesothelial cells 337
Hyperparathyroidism

depressed Ca receptor expression in parathyroid..... 328
SHPTH, i.v. calcitriol effect, BMD, chronic HD (abst).. 955
SHPTH, parathyroid Ca sensing in renal osteodystrophy..... 1590
SHPTH, PTH suppression by 1α-hydroxyvitamin D_2, HD..... 317
Hypertension
arterial, renal consequences of, Nephrology Forum.... 1639
As4.1 cell line and prorenin activation..... 104
BNP release and body fluid balance changes (abst)..... 950
BP variability in ESRD..... 1863
diuretic therapy in..... 59:S-36
family history in thin GBM nephropathy..... 1596
hypokalemia, adrenal tumor with dissecting aneurysm (abst)..... 945
isolated kidney function, DOCA-salt hypertensive rats (abst)..... 1307
nephrosclerosis in African Americans..... 244
ouabain, BNP effects in saline-loaded sheep (abst).... 1308
polyarteritis nodosa with renal involvement (abst)..... 945
post-transplant (abst)..... 963
pregnancy, spot urine protein-to-creatinine ratio (abst). 1306
renal amylin binding correlated with BP, rat (abst).... 1309
renal function in the elderly..... 1196
renal nerves and..... 722
thiazides correct SHR hypercalciuria..... 1018
Hypoalbuminemia, low diastolic BP, chronic HD..... 1212
Hypokalemia
H^+-K^+-ATPase α2 subunit gene in renal medulla (abst)..... 949
hypertension, adrenal tumor with dissecting aneurysm (abst)..... 945
ritodrine- and terbutaline-induced, in preterm labor... 1867
Hypophosphatemia and Mg^{2+} uptake in mouse DCT.... 1710
Hypothalamus, posterior, renal nerves and hypertension.. 722
Hypovolemia and splanachnic erythrocytes..... 1986
Hypoxia
cytoprotective effects of Cl^- channel blockers..... 1529
ROS in reoxygenation, renal cell injury (abst)..... 951
tyrosine phosphorylation in..... 1747
Hypoxia-induced gene transcription
EPO gene regulation..... 548
HIF-1, structural/functional analysis of..... 553
HIF-1 DNA site is cAMP-responsive..... 564
HIF-1α mRNA regulation..... 560
hypoxia and tyrosine hydroxylase gene expression..... 536
hypoxia in yeast..... 507
oxygen and dioxin signaling..... 567
oxygen-regulated genes, EPO as model..... 514
PCK gene and oxygen regulation..... 542
protein phosphorylation, gene activation by hypoxia and..... 556
reduced O_2 tension and gene expression..... 527
Hypoxia-induced growth factor expression
endothelial cell properties and..... 419
endothelial hypoxic stress proteins..... 426
erythropoietin in human liquor..... 416
in rat kidney *in vivo*..... 444
vascular responses to hypoxia..... 438
VEGF, VEGF receptor gene expression..... 448
Hypoxia-induced ICAM-1 on tubular cells..... 1703
Hypoxia-induced mRNA stabilization
ERBP binding to EPO RNA requires hsp70..... 579
hypoxic induction of VEGF..... 575
regulation of TH mRNA stability..... 585
Hypoxia-inducible transcription factor-1 (HIF-1)
DNA recognition site is cAMP-responsive..... 564
oxygen and dioxin signaling, mouse hepatoma cells..... 567
structural/functional analysis of..... 553
Hypoxia-inducible transcription factor-1α (HIF-1α) mRNA regulation..... 560

I
Idiopathic membranoproliferative glomerulonephritis (MPGN), clinicopathology (abst)..... 970
Idiopathic membranous glomerulonephritis
methods in research on..... 873
outcome, contributing factors (abst)..... 970
validation of a prediction model..... 901
IgA nephropathy (IgAN)
activated complement C3..... 1257
aspirin plus dipyridamol and ACEi therapy (abst)..... 969
binding of polymeric λ-IgA in human MC(abst)..... 1319
fibrogenic growth factors, altered expression..... 195
polymorphism of IL-1 receptor antagonist gene..... 1938
TGBM disease without glomerular deposits, in children (abst)..... 969
IgG subclasses in MPGN, MN and lupus nephritis..... 270
Imidazolone modifies amyloid β_2m, dialysis-related..... 187
Immunology
determinants of susceptibility to GN..... 646
HLA system, antigen processing and presentation.... 58:S-2
peritoneal cavity defense mechanisms, PD (abst)..... 1327
Immunoreactivity of ET-1 in glomerular diseases (abst)... 969
Immunosuppression
drug comparisons on cytokine mRNA, human MLC (abst)..... 1320
rationale and mechanisms of..... 58:S-48
SK&F105685 suppresses crescentic GN cutaneous DTH, rats (abst)..... 1325
Indomethacin, acute ureteral obstruction..... 653
Infection
antibiotic therapy, HD catheter-related sepsis without catheter removal (abst)..... 945
CAPD exit-site, surgical management (abst)..... 960
fusidic acid concentrations in CAPD dialysate (abst)... 1328
peritoneal cavity defense mechanisms, PD (abst)..... 1327
sclerosing peritonitis in Australia (abst)..... 1328
xenosis and xenotransplantation..... 58:S-41
Injury, renal
acute ureteral obstruction..... 653
Ang II and TGF-β1, post-subtotal nephrectomy..... 1553
cytoprotective effects of Cl^- channel blockers..... 1529
glomerular and TGF-β..... 1388
IL-12 in tubular epithelium of MRL-*Fas*^{lpr} mice..... 79
immune, TGF-β and endothelial cells..... 1401
ischemia, leukocytes, cell adhesion molecules and ARF..... 1463
nature of renal cell injury..... 1341
preventive effects of allopurinol, rats (abst)..... 966
remipril, valsartan effects on progression (abst)..... 1312
reperfusion, and acid-base transporters..... 1106
RGD peptides as therapeutics..... 1487
ROS in hypoxia/reoxygenation (abst)..... 951
tissue factor inhibition, crescentic GN (abst)..... 1310
tyrosine phosphorylation in hypoxia..... 1747
wound-like, ECM remodeling in (abst)..... 1321
Insulin
mechanisms of action in TAL, kinases and..... 1037
renal microcirculation..... 1507

Insulin-dependent diabetes mellitus (IDDM)
elevated plasma total renin precedes microalbuminuria, DN (abst) ... 1309
hyperapobetalipoproteinemia, microalbuminuria (abst) ... 1305
morphometric analysis of mesangium ... 1624
Insulin-like growth factor-1 (IGF-1)
apical Na-H exchange, human PTC (abst) ... 1323
chronic metabolic acidosis effect on GH ... 216
extended use in CRF ... 840
GH-axis, derangement in CRF ... 58:S-106
growth retardation and acidosis ... 58:S-102
intrarenal, changes in DM ... 811
nutritional status in CAPD (abst) ... 960
Integrins
cytoplasmic domain modulates cell proliferation ... 1434
laminins, in tissue remodeling ... 1441
ligand binding and activation ... 1454
mesangial cell expression of α_v ... 1900
as signaling molecules, tumor therapy targets ... 1413
Intensive care unit (ICU), causes of edema in ... 59:S-105
Intercellular adhesion molecule-1 (ICAM-1)
hypoxia-induced, on tubular cells ... 1703
IL-10 enhances MC expression, rats (abst) ... 1324
oxidized LDL and MC proliferation (abst) ... 967
Interleukin-1β converting enzyme (ICE), Fas, autoimmunity, CrmA transgenic and *lpr* mice (abst) ... 1321
Interleukin-1 (IL-1)
blockade in rat crescentic GN (abst) ... 1325
receptor, polymorphism of antagonist gene ... 1938
Interleukin-2 (IL-2) receptor in nephrotic syndrome ... 58:S-83
Interleukin-6 (IL-6)
differential regulation of chemokines ... 1754
expression, hypoxia and endothelium ... 419
LPS induced expression, growth arrested human MC (abst) ... 968
mediates MC proliferation, matrix production ... 69
Interleukin-10 (IL-10)
effect on crescentic GN in rat ... 1809
as growth factor, rat mesangial cells (abst) ... 1313
MC expression of MHC class II, ICAM-1, rats (abst) ... 1324
Interleukin-12 (IL-12), tubular epithelial, autoimmune MRL-*Fas*^{lpr} mice with renal injury ... 79
International Congress of Nephrology ... 2037
International Society of Nephrology (ISN)
awards, presentation of ... 2046
Report of the Editor ... 1663
Report of the incoming President ... 2040
Report of the President ... 2038
Report of the President of the XIVth ICN ... 2037
Report of the Secretary-General ... 2042
Report of the Treasurer ... 2044
Intradialytic parenteral nutrition (IDPN), malnourished HD patients (abst) ... 1326
Intrarenal nitric oxide monitoring ... 1619
Intravascular hemolysis, arsine gas exposure, CVVHD (abst) ... 1317
Ion channels and heme proteins as oxygen sensors
chloride channels and volume regulation ... 477
cytochrome b_{558} and oxygen sensing ... 479
EPO and oxygen signaling cascade ... 502
EPO production, vitamins, antioxidants ... 497
EPO production and ROS ... 492
oxygen deprivation in central neurons ... 467
oxygen sensing by ion channels ... 454
oxygen sensing in HepG2 cells ... 483
sodium nitroprusside, effects in rat CCD ... 473
vascular smooth muscle responses to oxygen ... 462
Ionizing radiation induces apoptosis in MC (abst) ... 968
Iron
-induced toxicity of PTC, NO (abst) ... 1323
myoglobin cytotoxicity in PT cells ... 728
Ischemia, renal
leukocytes, cell adhesion molecules and ARF ... 1463
reperfusion injury, acid-base transporters ... 1106
reperfusion injury, allopurinol's preventive effects (abst) ... 966

J

Juxtaglomerular cells, atherogenic lipoproteins, oxygen radicals, renin release ... 253

K

Ketoacidosis, diabetic, cerebral edema after treatment of ... 1237
Kidneys
α-subunit of neutrophil NADPH oxidase and 5'NT in ... 479
African American Study of Kidney Disease (AASK) Trial ... 244
AGE binding, quantitation and receptor, diabetic rats (abst) ... 1314
ANP mRNA in diabetic rats ... 1100
$[Ca^{2+}]_i$, PTH, V1a, AT1 receptors in diabetes ... 1950
changing patterns of gene expression ... 920
chloride channels and volume regulation ... 477
esterified renal P450-HETEs ... 1696
FGFs immunolocalized in rat embryonic (abst) ... 1308
HB-EGF distribution and mRNA in normal rat ... 1774
human urinary epinephrine, sources of ... 324
HUT11 expression in medullary vasa recta ... 138
hypoxia and growth factor expression, rat ... 444
intrarenal distribution of rabbit PKC-zeta ... 1831
isolated function in DOCA-salt hypertensive rats (abst) ... 1307
leptin clearance in renal failure ... 1980
in mitochondrial cytopathies ... 1000
ontogeny of bradykinin B_2 receptors ... 739
osmolyte transporters in remnant ... 1847
oxidant stress in experimental DM (abst) ... 1314
oxygen pressure in ... 372
paracrine growth-regulatory interactions, human (abst) ... 1307
PDGF α-receptor, human ... 1140
size/weight, morphometric study of Korean adults (abst) ... 951
Th1 effectors in human graft rejection ... 1876
vitamins, antioxidant, and EPO production ... 497
Kinases
ALK-5, TGF-β1, developing rat metanephros (abst) ... 1310
cell cyclins during renal development ... 762
ET-1 activates c-*Jun* NH_2-terminal kinase in MC ... 631
intrarenal distribution of rabbit PKC-zeta ... 1831
oxygen regulation and PCK gene ... 542
p27 levels determine MC proliferation ... 1088
PKC, hypoxia, tyrosine hydroxylase gene expression ... 536
PKC and insulin's action in TAL ... 1037
PKC mediates MC actin disassembly ... 1797
tyrosine kinase, TGF-β expression, stretch in MC ... 1028
tyrosine kinase c-src modulates MC phenotype ... 110
Kincaid-Smith, Priscilla ... 2056, 2062
Korea
kidney size/weight, morphometric study of adults (abst) ... 951

osteodystrophy in predialysis patients (abst) 956
plasma amino acids, ESRD (abst) 954
Kurokawa, Kiyoshi 2040

L
L-arginine (L-Arg), Ang II, in tissue fibrosis 1481
Laminins, integrins, in tissue remodeling 1441
Leaf, Alexander 2046, 2049
Lean body mass (LBM)
BIA, other nutritional parameters in ESRD, HD (abst) 955
creatinine generation rate 855
measurements compared in CAPD (abst) 959
Left ventricular hypertrophy (LVH) post-transplant 1205
Leptin clearance in renal failure 1980
Leukemia inhibitory factor (LIF), differential regulation of chemokines 1754
Leukocytes
cell adhesion molecules, hydrocortisone effect (abst) 967
cell adhesion molecules, ischemic ARF 1463
chronic rejection, endothelial interactions 58:S-22
lipoxins and glomerulonephritis 58:S-56
migration in immune complex GN, adhesion receptors . 1469
pyruvate dialysate and PD toxicity 860
trafficking, selectin ligands and Fuc-TVII 1418
Leukotrienes, cytokine regulation of LTB4 synthesis in monocytes 1520
Ligand-integrin interactions 1454
Lipid peroxidation
increased circulating products in pre-eclampsia (abst) .. 1310
rHuEPO intradialytic effects, vasoactive substances, HD (abst) 956
Lipids
cholesterol feeding, and PAI-1 in CsA nephrotoxicity .. 1818
oxidized LDL, TGF-β, fibronectin in human GEC 147
Lipopolysaccharide (LPS), IL-6, growth arrested human MC (abst) 968
Lipoprotein
atherogenic, oxygen radicals, renin release in JG cells ... 253
hyperapobetalipoproteinemia, microalbuminuria, IDDM (abst) 1305
metabolism, antioxidants, glomerular and tubular dysfunction in DM (abst) 1305
VLDL receptor deficiency in uremia 913
Lipoprotein(a)
atherosclerotic CV disease, CAPD (abst) 958
serum concentration, albumin infusion, CAPD (abst) ... 958
serum concentration, apolipoprotein(A), CAPD, HD (abst) 958
Lipoxins, leukocyte recruitment in GN 58:S-56
Liver
α-subunit of neutrophil NADPH oxidase and 5′NT in .. 479
EPO gene expression, oxygen-dependent regulation 502
extrahepatic C6 and renal C5b-9 1788
hepatic fibrosis, cytokines and schistosome-induced granuloma 1370
hepatic lipase deficiency in NS 1933
oxygen, role in gene expression, carbohydrate metabolism 402
oxygen and dioxin signaling, mouse hepatoma cells 567
PCK gene and oxygen regulation, rat 542
plasma cAMP and renal function, hepatorenal link .. 59:S-50
vitamins, antioxidant, and EPO production 497
water and Na retention in cirrhosis 59:S-43
Loop diuretics, ACE, and renal tubular cells 36
Low birth weight, albuminuria, RF in Australian Aborigines (abst) 1318
Low density lipoprotein (LDL)
CsA and lipid peroxidation 1608
enhanced uptake, nephrotic children (abst) 1313
oxidative status in HD patients (abst) 1312
oxidized, MC proliferation, ICAM-1 expression (abst) .. 967
stimulates TGF-β, fibronectin in human GEC 147
subfraction profiles, chronic HD and PD (abst) 1327
VLDL receptor deficiency in NS 1761
Low molecular weight heparin, compared to unfractionated, HD (abst) 953
Lumbar spine, BMD analysis by DXA in dialysis (abst) .. 1329
Lupus anticoagulant, ACA, in vascular access occlusion (abst) 952
Lupus nephritis
clinical characteristics (abst) 947
clinical manifestations (abst) 947
cyclophosphamide therapy, renal survival in black Americans 1188
IgG subclasses in 270
IL-12 in tubular epithelium of MRL-*Fas*^{lpr} mice 79
mycophenolate mofetil limits renal damage 1583
prognosis (abst) 947
Luteinizing hormone (LH) receptor inhibitors in boys with CRF 777
Lysophosphatidic acid dual effect, glomerular MC proliferation 1022

M
Macrophage migration inhibitory factor (MIF), rat anti-GBM GN (abst) 1313
Macrophages
genetically engineered, transfer into glomerulus 1274
MCP-1 mediates in GN 770
Magnesium
renal potassium wasting in Gitelman's syndrome (abst) .. 948
transport in DCT, thiazides alter 1008
uptake in mouse DCT, phosphate depletion and 1710
Magnetic resonance imaging (MRI)
kidney morphology, diabetic/non-diabetic rats 50
shoulder pain in chronic HD (abst) 1316
Major histocompatibility complex (MHC) class II, IL-10, MC expression, rats (abst) 1324
Matrix metalloproteinases (MMPs)
artificial activation of (abst) 1312
human peritoneal mesothelial cells, hyperosmolality, TGF-β1 337
prostaglandin E_2 stimulates MMP-2 1116
Medullary nephrocalcinosis, long-term furosemide abuse (abst) 950
Medullary vasa recta, HUT11 expression 138
Membranes, hemodialysis
heparin pre-rinsed hemophan (abst) 953
NO release in peripheral blood during HD 294
Membranous glomerulonephritis
children, clinical studies (abst) 970
idiopathic, outcome (abst) 970
idiopathic MPGN, clinicopathology (abst) 970
Membranous nephropathy, IgG subclasses in 270
Mesangial cells (MC)
actin disassembly in high glucose, PKC, polyol pathway .. 1797
Ang II induces PAI-1 664
apoptosis induced in rat GMC by anti-Thy-1 antibodies 173

binding of polymeric λ-IgA in IgAN (abst) 1319
[Ca]i, Ang II and norepinephrine, diabetic rats..... 87
cycle control by TGF-β1 1228
ET-1 activates c-*Jun* NH_2-terminal kinase 631
expression of α_v integrins..... 1900
gelatinase A as growth, differentiation factor..... 1397
glomerular, adhesion molecules in..... 1447
glomerular, morphometric analysis of 1624
HG-induced TGF-β, oxidative stress, fibronectin production (abst) 967
human growth arrested, LPS induced IL-6 expression... 968
IL-6 mediates proliferation and matrix production 69
IL-10 as growth factor, rats (abst) 1313
ionizing radiation, cytotoxic drugs induce apoptosis (abst) 968
MHC class II, ICAM-1 expression, IL-10, rats (abst) .. 1324
pp60c-src modulates MC phenotype 110
proliferation, Egr-1 expression..... 694
proliferation, LDL and ICAM-1 expression (abst)..... 967
proliferation, lysophosphatidic acid dual effect 1022
proliferation, p27 levels determine..... 1088
proliferation, TNP-470 inhibits..... 1838
prostaglandin E_2 stimulates MMP-2..... 1116
stretch-induced TGF-β expression..... 1028
synthesize thrombomodulin, humans..... 687
Mesangial proliferative GN, progression to CRF (abst) ... 946
Mesothelial cells
CA125 in peritoneal effluent 888
hyperosmolality, TGF-β1, MMP9 in human peritoneal.. 337
PD solution induces apoptosis..... 1280
permanent peritoneal MsC line..... 2006
regulation of gelatinases in 337
Metabolic acidosis
AE1 regulation and H^+-ATPase in..... 125
apparent bicarbonate space dependent on muscle mass (abst) 948
correction, muscle energy metabolism, CRF (abst)..... 955
diet in chronic dialysis (abst)..... 955
growth hormone/IGF-1 endocrine axis..... 216
high anion gap, urine osmolar and anion gaps compared (abst)..... 949
hyperkalemic hyperchloremic, Nephrology Forum..... 591
Metabolic alkalosis, AE1 regulation and H^+-ATPase in... 125
Metabolism. *See also* Tissue oxygen tensions and energy metabolism
muscle, acidosis correction, CRF (abst)..... 955
muscle, uremia and amino acid administration 1182
renal, oxygen and..... 381
skeletal muscle, propionyl L-caritine, CRF (abst) 1309
skeletal muscle, with calcium channel blockers (abst) .. 1306
Mevalonate, plasma concentrations in uremia..... 908
Microalbuminuria
elevated plasma total renin precedes, DN in IDDM (abst) 1309
hyperapobetalipoproteinemia as predictor in IDDM (abst) 1305
Minimal change nephropathy, FSGS and 58:S-80
Minimal change nephrotic syndrome (MCNS)
adult, treatment/follow-up (abst)..... 969
frequently relapsing childhood, 1α(OH)-vitamin D_3, steroid-induced osteoporosis (abst) 965
relapsing, CsA-induced remission (abst) 946
Mitochondrial cytopathies, kidneys 1000
Mitochondrial electron transport, myoglobin cytotoxicity in PT cells 728
Modification of Diet in Renal Disease Study Group..... 1908
Monocyte chemoattractant protein-1 (MCP-1)
chemokines and GN 770
in cryoglobulinemic membranoproliferative GN 153
signal transduction, rat PTC (abst) 1314
Monocytes
cytokine regulation of LTB4 synthesis in..... 1520
uremic serum influences scavenger receptor 785
Mononuclear cells, antihypertensive therapy in UNX SHR..... 750
Morphometric analysis of mesangium, ESPRIT Study Group 1624
Mortality
basal serum biochemical markers of survival, HD (abst) 956
CV screening in elderly transplant recipients (abst).... 1322
hypoalbuminemia and blood pressure, HD 1212
serum albumin as predictor in CAPD (abst)..... 959
MRL-*Fas^{lpr}* mice, tubular epithelial IL-12 up-regulated 79
mRNA
differential display, changing patterns of gene expression..... 920
hypoxia, ERBP binding to EPO RNA requires hsp70... 579
hypoxia, regulation of TH mRNA stability 585
hypoxic induction of VEGF..... 575
increased ANP expression, diabetic rat kidney..... 1100
Muscle
mass, apparent bicarbonate space, metabolic acidosis (abst) 948
metabolism, acidosis correction, CRF (abst) 955
metabolism, uremia and amino acid administration.... 1182
Myofibroblasts
correlate with fibrotic markers, DN (abst)..... 1314
role in acute rejection (abst) 1321
Myoglobin cytotoxicity..... 728
Myoglobinuric ARF, pathogenesis of 1956
Myxedema..... 59:S-82

N

Na^+/H^+ exchanger, NHE-3 suppression, ischemic-reperfusion injury..... 1106
Na-HCO_3 cotransporter, renal, cholinergic stimulation... 1069
Na-Pi transport, cadmium effect, rabbit renal BBM vesicles (abst)..... 949
NaCl absorption in TAL, insulin-stimulated 1037
Natriuresis, acute/chronic volume expansion, ANP (abst). 1307
Natriuretic peptide
atrial, acute/chronic volume expansion, natriuresis (abst) 1307
atrial, mRNA in diabetic rat kidney..... 1100
atrial, physiologic role and diuretic efficacy 59:S-28
atrial, receptors in human CCD cell line..... 281
brain, body fluid balance (abst)..... 950
brain, ouabain, effects in saline-loaded sheep (abst) ... 1308
Neonatal edema 59:S-97
Nephrectomy
heparin-binding EGF expression, 5/6 nephrectomy model (abst)..... 1319
osmolyte transporters in remnant kidney..... 1847
Nephritis
acute tubulointerstitial, apoptosis and (abst)..... 964
anti-Thy-1, TGF-β1, PDGF-β expression, mice (abst)... 967
bull terrier hereditary, as model for Alport syndrome (abst) 1320
Heymann, T-cell mediation 1059

lupus, mycophenolate mofetil limits renal damage..... 1583
Nephrocalcinosis, medullary, furosemide abuse, adults (abst)..... 950
Nephrolithiasis, supersaturation and stone composition ... 894
Nephrons
α_{1B}-adrenoceptor mRNA in rat nephron segments.... 1548
calcitonin effect on calcium transport..... 1999
segmental maturation, kinin receptors..... 739
TGF prevents oxygen deficiency 386
Nephropathy. *See also* Diabetic nephropathy; IgA nephropathy
childhood reflux, ACE gene polymorphism (abst)..... 950
Chinese herbs, NEP monitors PT injury 288
idiopathic membranous, methods in research on..... 873
idiopathic membranous, validation of a prediction model..... 901
IgA, binding of polymeric λ-IgA (abst) 1319
membranous, IgG subclasses in..... 270
minimal change and GSGS 58:S-80
PAN, FGF2-induced glomerular EC injury 301
progressive, pathophysiology of..... 2
reflux, VUR treatment, ESRD prevention in children (abst)..... 1306
smoking, renal risks of..... 1669
Nephrosclerosis, hypertensive, in African Americans 244
Nephrosis
enhanced LDL uptake, children (abst) 1313
PAN-induced, basic FGF (abst)..... 1311
Nephrotic syndrome (NS)
acquired VLDL receptor deficiency..... 1761
adult MCNS, treatment/follow-up (abst) 969
congenital, prenatal diagnosis by DNA analysis..... 868
edema, intractable, management of..... 58:S-75
edema formation, pathogenesis of 58:S-72, 59:S-21
hepatic lipase deficiency in..... 1933
interleukin-2 receptor in 58:S-83
pathologic types, protein C and S, CRF (abst) 965
relapsing MCNS, CsA-induced remission (abst) 946
steroid-resistant idiopathic, CsA therapy 58:S-85
Nephrotoxicity
cisplatin-based chemotherapy (abst) 948
CsA, blood lipids and PAI-1 in 1818
CsA, inhibition of Ca-induced mitochondrial swelling in kidney (abst) 964
CsA, verapamil, morphologic effect of (abst)..... 965
CsA, verapamil effect on apoptosis (abst) 968
long-term furosemide abuse, adults (abst)..... 950
Neurons, sensing oxygen deprivation in central..... 467
Neutral endopeptidase, enzymuria in Chinese herbs nephropathy..... 288
Neutrophils, NADPH oxidase α-subunit, 5′NT in kidney and liver..... 479
Nitric oxide (NO)
activation of renin synthesis and 1780
ET interactions, increased dietary salt (abst)..... 950
impact of surgery and anesthesia on 1943
intrarenal monitoring, Clark-type electrode..... 1619
iron-induced toxicity of PTC (abst) 1323
nitroprusside and peritoneal permeability 1885
release in peripheral blood during HD 294
sodium nitroprusside, effects in rat CCD..... 473
synthesis, attenuated central pressor response, CRF (abst)..... 954
synthesis inhibition, renal vascular reactivity, pregnant rats (abst)..... 1310
Nitric oxide synthase (NOS), glycated albumin modulates activity..... 27
Nitrogen balance, chronic metabolic acidosis, GH and IGF-1..... 216
Nitroprusside and peritoneal permeability..... 1885
Non-insulin dependent diabetes (NIDDM), ACE gene polymorphism in DN (abst)..... 946
Nonsteroidal anti-inflammatory drugs (NSAIDs), acute ureteral obstruction..... 653
Norepinephrine alters [Ca]i in MC of diabetic rats..... 87
North American Pediatric Renal Transplant Cooperative Study
Alport syndrome 58:S-69
antigen processing, presentation (abst) 58:S-2
CD28:B7 costimulatory interaction 58:S-8
chronic rejection and tolerance 58:S-11
CsA and steroid-resistant nephrosis..... 58:S-85
diet, antihypertensives and diabetes..... 58:S-66
edema in NS..... 58:S-72, 58:S-75
GH/IGF-axis in CRF 58:S-106
growth retardation and acidosis..... 58:S-102
IL-2R in NS..... 58:S-83
immunosuppression..... 58:S-48
intrarenal gene expression, rejection 58:S-15
leukocytes, endothelium, chronic rejection..... 58:S-22
lipoxins, leukocytes and GN..... 58:S-56
long-term rhGH, children with CRI..... 58:S-114
MCN and FSGS..... 58:S-80
molecular biology, human glomerular diseases 58:S-62
thrombotic microangiopathy 58:S-97
transplantation in 21st century..... 58:S-51
verotoxin and HUS 58:S-91
xenotransplantation 58:S-28, 58:S-36
xenotransplantation, ethics of 58:S-46
xenotransplantation and infection, xenosis..... 58:S-41
Nutritional status
creatinine generation rate and LBM 855
IDPN in malnourished HD patients (abst) 1326
IGF-1, relationship between in CAPD (abst)..... 960
Kt/V, creatinine clearance compared as indices (abst)... 954
LBM derived from BIA, ESRD and HD (abst)..... 955
peritoneal membrane transport, CAPD (abst)..... 958

O

Obstruction
acute ureteral obstruction 653
UPJ, antenatal hydronephrosis outcome (abst) 951
Oncostatin M, differential regulation of chemokines..... 1754
1α-hydroxyvitamin D_2 in secondary hyperparathyroidism .. 317
1α(OH)-vitamin D_3, steroid-induced osteoporosis, MCNS, children (abst)..... 965
Ontogeny, bradykinin B_2 receptors 739
Osmolyte transporters in remnant kidney 1847
Osteodystrophy
parathyroid calcium sensing..... 1590
in predialysis patients in Korea (abst) 956
Osteopenia
Ca stone risk factors, post-transplant..... 804
site specific risk factors in dialysis (abst) 1329
Osteopontin
regulation in cultured rat renal EC 1766
renal cell release, COM crystal-stimulated..... 679
Osteoporosis
Ca handling in ovariectomized rat 1719
steroid-induced, frequently relapsing childhood MCNS, 1α(OH)-vitamin D_3 (abst)..... 965

Ouabain effect in saline-loaded sheep, BNP (abst) 1308
Oxidant stress
advanced glycoxidation in renal failure 1170
in kidney with experimental DM (abst) 1314
Oxygen. *See* Hypoxia; Ion channels and heme proteins as oxygen sensors; Tissue oxygen tensions and energy metabolism
Oxygen radicals, atherogenic lipoproteins, renin release in JG cells 253
Oxytocin, vasopressin, as antidiuretic hormones in edema (abst) 949

P

p27 levels determine MC proliferation 1088
^{31}P-NMR spectroscopy, muscle energy metabolism, metabolic acidosis, CRF (abst) 955
Papillary thyroid carcinoma with polyarteritis nodosa (abst) 946
Paracrine growth-regulatory interactions, PTC and cortical fibroblasts, normal human kidney (abst) 1307
Paraquat poisoning (abst) 966
Parathyroid glands, depressed Ca receptor with hyperparathyroidism 328
Parathyroid hormone (PTH)
bone fractures, vitamin K and *i*PTH 1218
$[Ca^{2+}]_i$, PTC, V1a, AT1 receptors in diabetes 1950
calcium sensing in renal osteodystrophy 1590
suppression by 1α-hydroxyvitamin D_2, HD with SHPTH 317
Parathyroidectomy, rapid BMD changes in axial skeleton (abst) 1308
Parenteral nutrition, in malnourished HD patients (abst) 1326
Pediatrics. *See* Children
Pentosidine clearance in RRT 880
Peracetic acid dialyzer re-use program, evaluation of (abst) 1330
Percutaneous kidney biopsy, *Biopty* gun, needle gauges compared (abst) 1316
Percutaneous transluminal renal angioplasty patency, sonographic study 798
Perindopril, enalapril, compared in DN (abst) 1309
Peritoneal dialysis (PD). *See also* Continuous ambulatory peritoneal dialysis (CAPD)
CA125 in effluent 888
creatinine generation rate and LBM 855
host defense mechanisms, peritoneal cavity (abst) 1327
human peritoneal fibroblast in 3D culture 205
hyperosmolality, TGF-β1, MMP9 in human mesothelial cells 337
LDL subfraction profiles (abst) 1327
pyruvate dialysate and PD toxicity 860
solutions induce mesothelial cell apoptosis 1280
solutions with thiol compounds, glucose degradation (abst) 1330
surgical aspects of PD (CAPD) access (abst) 1328
Tenckhoff catheter malfunction, fluoroscopic repositioning (abst) 957
Peritoneal membrane
permeability and nitroprusside 1885
transport, nutritional status in CAPD (abst) 958
Peritonitis
CAPD connector systems compared (abst) 960
fusidic acid concentrations in CAPD dialysate (abst) 1328
peritoneal cavity defense mechanisms, PD (abst) 1327
sclerosing, in Australia (abst) 1328
PermCath catheters
children, HD (abst) 952
clinical evaluation of (abst) 952
Phosphate depletion, Mg^{2+} uptake in mouse DCT 1710
Phosphatidylinositol 3-kinase, mechanisms of insulin's action in TAL 1037
Phosphoenolpyruvate carboxykinase (PCK) gene and oxygen regulation 542
Plants as sources of salt 59:S-114
Plasmapheresis in postpartum HUS (abst) 1317
Plasminogen activator inhibitor-1 (PAI-1)
Ang II and endothelial injury 164
Ang II induces in MC 664
blood lipids and, in CsA nephropathy 1818
gene polymorphism, thrombotic risk post-transplant (abst) 1322
Plasminogen/plasmin system gene deficiencies in GN (abst) 1324
Platelet-derived growth factor-β (PDGF-β), with TGF-β1, murine anti-Thy-1 nephritis (abst) 967
Platelet-derived growth factor-α (PDGF-α) receptor, in human kidney 1140
Platelet-derived growth factor (PDGF)
connective tissue regulator in embryogenesis, pathogenesis 1361
p27 levels determine MC proliferation 1088
Platelets
anti-platelet antibodies, heparin-induced thrombocytopenia (abst) 952
reticulated, in dialysis patients 834
Podocytes
age-related GS, interstitial fibrosis in Milan normotensive rats 230
FGF2 induces glomerular EC injury in PAN 301
Poisoning, paraquat (abst) 966
Polyarteritis nodosa
hypertension of renal involvement (abst) 945
overlap type with papillary thyroid carcinoma (abst) 946
Polycystic kidney disease (PKD)
ADPKD, extrarenal manifestations, Nephrology Forum 2022
ADPKD, sex hormones and fluid secretion in MDCK cells 1535
azotemia and extrarenal manifestations 1160
complications of, Nephrology Forum 353
hemorheological investigations (abst) 1317
microtubule active taxanes inhibit 1613
sex hormones and fluid secretion in MDCK cells 1535
Polyol pathway mediates MC actin disassembly 1797
Posterior hypothalamus, renal nerves and hypertension 722
Postmastectomy edema 59:S-76
Postural changes, volume estimation from bioimpedance spectroscopy 1078
Potassium
depletion, ritodrine- and terbutaline-induced, in preterm labor 1867
depletion alters Mg^{2+} transport in DCT 1008
renal wasting in Gitelman's syndrome, Mg repletion (abst) 948
Potassium channels, sensing oxygen deprivation in central neurons 467
pp60c-src modulates MC phenotype 110
Pre-eclampsia, lipid peroxidation products (abst) 1310
Pregnancy
edema in 59:S-90

hypertensive, spot urine protein-to-creatinine ratio (abst) 1306
lipid peroxidation products, pre-eclampsia (abst) 1310
NO synthesis inhibition, renal vascular reactivity, rats (abst) 1310
outcome of children born to mothers post-transplant (abst) 1322
plasmapheresis in postpartum HUS (abst) 1317
ritodrine- and terbutaline-induced hypokalemia 1867
Prenatal diagnosis, congenital NS, Finnish type 868
Preterm labor, ritodrine- and terbutaline-induced hypokalemia in 1867
Promoter activated by glomerular epithelium 1265
Propionyl L-caritine, skeletal muscle metabolism, CRF (abst) 1309
Prorenin activation, prohormone convertases, mouse As4.1 cell line 104
Prostaglandin E_2 stimulates MMP-2 in rat MC 1116
Protein. *See also* Ion channels and heme proteins as oxygen sensors
dietary, glucose metabolism in uremia 1222
endothelial hypoxic stress 426
ERBP binding to EPO RNA requires hsp70 579
phosphorylation, gene activation by hypoxia and 556
vascular morphogenesis regulated by SPARC 1383
Protein C and protein S, NS pathologic types, CRF (abst) 965
Protein kinase C (PKC)
hypoxia and tyrosine hydroxylase gene expression 536
intrarenal distribution of rabbit PKC-zeta 1831
mechanisms of insulin's action in TAL 1037
mediates MC actin disassembly 1797
Proteinuria
$CD8^+$ T-cell depletion, Heymann nephritis (abst) 1325
spot urine protein-to-creatinine ratio, hypertensive pregnancy (abst) 1306
Proximal tubule cells (PTC)
CD40-induced chemokine production by hPTEC 711
IGF-1 stimulates apical Na-H exchange, human (abst) . 1323
MCP-1 unique signal transduction, rats (abst) 1314
myoglobin cytotoxicity 728
NO role in iron-induced toxicity (abst) 1323
paracrine growth-regulatory interactions, normal human kidney (abst) 1307
transport characteristics, human (abst) 1306
Proximal tubules
carbachol and renal Na-HCO_3 cotransporter 1069
cytoprotective effects of Cl^- channel blockers 1529
NEP in Chinese herbs nephropathy 288
plasma cAMP and renal function 59:S-50
reduced renal perfusion pressure, acute volume expansion 44
Pseudechis australis snake venom causes renal lesions in rhabdomyolysis 1956
Pulmonary vasoconstriction, hypoxic 462
Puromycin aminonucleoside (PAN), glomerular capillary growth, rats (abst) 1311
Puromycin aminonucleoside (PAN) nephrosis
basic FGF (abst) 1311
FGF2-induced glomerular EC injury 301
Pyelonephritis
acute, DMSA renal scan in adults (abst) 1319
acute, gentamicin, ciprofloxacin compared (abst) 1316
acute uncomplicated in young men (abst) 1316
associated with ARF, clinical characteristics (abst) 966
provokes growth retardation, infant rat renal cortex . . . 1855
Pyruvate effect, dialysate and PD toxicity 860
Pyuria, isolated, clinical significance post-transplant (abst) 963

R

Radiation, ionizing, induces apoptosis in MC (abst) 968
Radiocontrast media effects in acute ureteral obstruction . . 653
Ramipril, progression of renal damage, rats (abst) 1312
Reactive oxygen species (ROS)
atherogenic lipoproteins, renin release in JG cells 253
erythropoietin production and 492
hypoxia/reoxygenation renal injury (abst) 951
Recombinant human erythropoietin (rHuEPO)
anemia in 5/6 nephrectomized rat (abst) 945
intradialytic effects, vasoactive substances, HD (abst) . . . 956
plasma proET-1 and ET-1, HD (abst) 956
Red blood cells (RBC), calcium pump inhibitors in uremic plasma 1042
Reflux nephropathy
ACE gene polymorphism, children (abst) 950
VUR treatment, ESRD prevention in children (abst) . . 1306
Rejection
acute, apoptosis role, clinicopathology (abst) 962
acute allograft, Nephrology Forum 1289
adhesion molecules and 1476
CD28:B7 costimulatory interaction, alloimmune responses 58:S-8
chronic, and tolerance 58:S-11
hyperacute, pig xenografts 58:S-36
hyperacute, xenotransplantation 58:S-28
intrarenal gene expression during 58:S-15
leukocyte-endothelial interactions 58:S-22
myofibroblast role in (abst) 1321
Th1 effectors in human kidney graft 1876
Renal artery stenosis, patency of renal angioplasty 798
Renal biopsy. *See* Biopsy, renal
Renal cancer, von Hippel-Lindau disease and 16
Renal cells
injury, nature of 1341
osteopontin release, COM crystal-stimulated 679
Renal cortex
AE1 and H^+-ATPase in acidosis/alkalosis 125
pyelonephritis provokes growth retardation, rats 1855
Renal cysts, von Hippel-Lindau disease and 16
Renal development
ALK-5, TGF-β1, developing rat metanephros (abst) . . . 1310
apoptosis, developing renal corpuscles, rat (abst) 967
cell cyclins during 762
changing patterns of gene expression 920
gene cDNA in embryonic kidney 1629
kinin receptors and 739
Renal disease. *See also* End-stage renal disease (ESRD)
11βHSG2 findings on biopsy (abst) 1310
African American Study of Kidney Disease (AASK) Trial 244
chemokines and 610
HTLV-1 infection, Australian Aborigines (abst) 1318
incidence, Australian Aborigines (abst) 1318
low birth weight, albuminuria, Australian Aborigines (abst) 1318
morphologic correlates, Australian Aborigines (abst) . . 1318
polyarteritis nodosa, hypertension (abst) 945
progression, predictors of, diet modification and 1908
progressive, age-related GS, interstitial fibrosis in Milan normotensive rats 230

progressive, pathophysiology of 2
progressive, proteinuric, renal ET 58:S-66
risks of smoking 1669
TGF-β in HIV-associated 1568
Renal distal tubular acidosis, H^+-ATPase absent on biopsy (abst) 948
Renal DMSA scans in adults with acute pyelonephritis (abst) 1319
Renal failure. *See also* Acute renal failure (ARF); Chronic renal failure (CRF)
calciphylaxis in (abst) 1315
familial juvenile nephronophthisis type 1 261
family history in thin GBM nephropathy 1596
fingernail creatinine concentration as marker (abst) . . . 1317
leptin clearance in 1980
low birth weight, albuminuria, Australian Aborigines (abst) 1318
outcome (abst) 1316
Renal function
arterial hypertension and, Nephrology Forum 1639
azotemia, extrarenal manifestations in PKD rats 1160
calcium handling in ovariectomized rat 1719
children, one-year after UTI (abst) 1305
chronic dysfunction in transplant recipients (abst) 962
diuretics, mechanism of action 59:S-11
in the elderly 1196
esterified renal P450-HETEs 1696
isolated, in DOCA-salt hypertensive rats (abst) 1307
metabolism, oxygen and 381
plasma cAMP and 59:S-50
stability, GFR and short-term antihypertensives 793
Renal hemodynamics
abnormalities in DN measured by duplex Doppler sonography 1920
ACE gene polymorphism, early IDDM 119
acute ureteral obstruction 653
arterial function in CRF 1678
insulin renal microcirculation 1507
plasma cAMP and renal function 59:S-50
Renal injury. *See* Injury, renal
Renal interstitial fibrosis
age-related GS, in Milan normotensive rats 230
myofibroblast and α_1(III) collagen expression 926
Renal nerves, hypertension and 722
Renal perfusion pressure, reduced, intraluminal Ang II and 44
Renal replacement therapy (RRT), pentosidine clearance 880
Renal vasculature, reactivity, NOSi, pregnant rats (abst) . 1310
Renin
elevated plasma total, microalbuminuria, DN in IDDM (abst) 1309
secretion and NO/endothelin balance 1780
Renin-angiotensin system (RAS)
Ang II, PAI-1 and endothelial injury 164
Ang II and TGF-β1, post-subtotal nephrectomy 1553
prorenin activation and As4.1 cell line 104
Reticulated platelets in dialysis patients 834
Reticulocytes, immature as indicator of erythropoiesis in CRF (abst) 953
Retinoblastoma protein phosphorylation, MC cycle control by TGF-β1 1228
RGD peptides as therapeutics in acute renal injury 1487
Rhabdomyolysis
ARF, myoglobin cytotoxicity 728
ARF with building collapse (abst) 966
renal lesions caused by *Pseudechis australis* snake venom 1956
Richards Award 2046
Ritodrine-induced hypokalemia in preterm labor 1867

S

Salbutamol, bicarbonate, acute therapy of hyperkalemia (abst) 957
Salt
dietary, NO and ET system interactions (abst) 950
history of common 59:S-127
plants as sources of 59:S-114
unusual disorder of salt and water balance 59:S-111
Sandimmun Soft Gelatin Capsule and *Sandimmun Neoral* compared (abst) 960
Scavenger receptor, uremic serum influences 785
Schistosome-induced granuloma, fibrosis, cytokines and . . 1370
Schrier, Robert W. 2038
Sclerosing peritonitis in Australia (abst) 1328
Screening
COL4A5 mutation, Alport syndrome (abst) 1324
CV disease, elderly transplant recipients (abst) 1322
DNA library, changing patterns of gene expression 920
risk factors of ESRD, serum creatinine 850
Secondary hyperparathyroidism (SHPTH)
i.v. calcitriol effect, BMD, chronic HD (abst) 955
parathyroid Ca sensing in renal osteodystrophy 1590
PTH suppression by 1α-hydroxyvitamin D_2, HD 317
Secreted protein acidic and rich in cysteine (SPARC)
regulation of vascular morphogenesis by 1383
tissue distribution, TGF-β1, rat subtotal nephrectomy (abst) 1312
Selectin ligands, leukocytes and Fuc-TVII 1418
Sepsis. *See* Infection
Sex hormones, fluid secretion in MDCK cells, PKD and . . 1535
Shoulder pain, MRI findings in chronic HD (abst) 1316
Shwartzman reaction, CAM expression in rabbit (abst) . . . 949
Sickle cell anemia, glomerular capillary wall function 826
Simvastatin, hyperlipidemia, post-transplant (abst) 1315
Skeletal muscle
metabolism, propionyl L-carnitine, CRF (abst) 1309
metabolism with calcium channel blockers (abst) 1306
SK&F105685 suppresses crescentic GN, cutaneous DTH, rats (abst) 1325
SLC3A1 mutation and cystinuria 1893
Smoking, renal risks of 1669
Snake venom causes renal lesions in rhabdomyolysis 1956
Sodium
IGF-1, apical Na-H exchange in human PTC (abst) . . . 1323
loading, Ang II synthesis/metabolism changes (abst) . . . 1309
modeling, ultrafiltration profiling, HD (abst) 1329
salt and water balance, unusual disorder of 59:S-111
water and Na retention in cirrhosis 59:S-43
water and Na retention in heart failure 59:S-57
Sodium nitroprusside effects in rat CCD 473
Solid state environment, embryonic development, tissue remodeling 1427
Splanachnic erythrocytes and hypovolemia 1986
Stenting of central venous stenoses, HD 277
Steroid-induced osteoporosis, frequently relapsing childhood MCNS, 1α(OH)-vitamin D_3 (abst) 965
Steroid-resistant idiopathic NS, CsA therapy 58:S-85
Stones, renal. *See* Calculi
Stress proteins, endothelial hypoxic 426

Supersaturation, urine
Ca stone risk factors, post-transplant ... 804
crystal inhibition in hypercalciuric rats ... 640
stone composition and ... 894
Surgery
anesthesia and nitric oxide ... 1943
exit-site infection in CAPD (abst) ... 960
Systemic lupus erythematosus (SLE), Fas, ICE and autoimmunity, CrmA transgenic and *lpr* mice (abst) ... 1321
Systemic vasculitis, cryoglobulinemic GN and MCP-1 ... 153

T
T-cells
CD8$^+$ depletion, proteinuria, Heymann nephritis (abst) ... 1325
cytokine regulation of LTB4 synthesis in monocytes ... 1520
glomerular accumulation in crescentic GN, mice ... 94
glomerular TFPI expression, fibrin dependent crescentic GN (abst) ... 1320
mediation of Heymann nephritis ... 1059
Taxanes inhibit polycystic kidney disease ... 1613
Tenckhoff catheters
laparoscopic insertion, CAPD, benefits of (abst) ... 1328
malfunction, fluoroscopic repositioning (abst) ... 957
Terbutaline-induced hypokalemia in preterm labor ... 1867
Th1 cells
direct crescent formation in GN, mice ... 94
effectors in human kidney graft rejection ... 1876
in glomeruli, T-cells in Heymann nephritis ... 1059
Thermodynamic equilibrium model, Ca salt urolithiasis (abst) ... 1315
Thiazides
alter Mg^{2+} transport in DCT ... 1008
correct SHR hypercalciuria ... 1018
Thick ascending limb (TAL), mechanisms of insulin's action in ... 1037
Thin basement membrane disease
clinicopathological characteristics (abst) ... 970
family history in thin GBM nephropathy ... 1596
genetic linkage studies (abst) ... 1320
without glomerular IgA deposits, children (abst) ... 969
Thiol compounds, glucose degradation, PD solutions (abst) ... 1330
Thoratec arteriovenous fistulae ... 1327
Thrombocytopenia, heparin-induced, prevalence in HD (abst) ... 952
Thrombomodulin synthesized by human MC ... 687
Thrombosis
genetic determinants of, post-transplant (abst) ... 1325
post-transplant risk, PAI-1 gene polymorphism (abst) ... 1322
vascular access, ACA and lupus anticoagulant (abst) ... 952
Thrombotic microangiopathy, pathogenesis and treatment ... 58:S-97
Thurau, Klaus ... 2052, 2054
Thy-1 nephritis, apoptosis induced in rat GMC by anti-Thy-1 antibodies ... 173
Thyroid cancer, polyarteritis nodosa and (abst) ... 946
Tisher, C. Craig ... 2044
Tissue factor inhibition, crescentic GN, fibrin deposits, renal injury (abst) ... 1310
Tissue factor pathway inhibitor
glomerular expression, T-cells, fibrin dependent crescentic GN (abst) ... 1320
inhibition of, fibrin deposits, crescentic GN (abst) ... 1313
Tissue oxygen tensions and energy metabolism
in brain and kidney ... 372
erythropoietin production, site of ... 393
liver metabolism/gene expression and oxygen ... 402
renal metabolism and oxygen ... 381
TGF prevents nephron oxygen deficiency ... 386
unexpected erythropoietin secretion, hypoxia-dependent ... 413
Tissue remodeling
adhesion receptors in development and ... 1427
integrins and laminins in ... 1441
Total body weight estimation in HD patients ... 1578
Transforming growth factor-β (TGF-β)
HG-induced, oxidative stress, FN production in MC (abst) ... 967
in HIV-associated kidney diseases ... 1568
immune injury and endothelial cells ... 1401
in knockout and transgenic mouse models ... 1355
latent, mechanisms of activation ... 1376
oxidized LDL stimulates in glomerular EC ... 147
stretch-induced expression in mesangial cells ... 1028
Transforming growth factor-β1 (TGF-β1)
ALK-5 expression, developing rat metanephros (abst) ... 1310
Ang II, post-subtotal nephrectomy ... 1553
concurrent expression with PDGF-β, murine anti-Thy-1 nephritis (abst) ... 967
increases MMP9 in human peritoneal mesothelial cells ... 337
induces MC cycle arrest ... 1228
tissue distribution, SPARC, rat subtotal nephrectomy (abst) ... 1312
Transplantation. *See also* North American Pediatric Renal Transplant Cooperative Study; Xenotransplantation
in the 21st century ... 58:S-51
age/sex and graft survival rates (abst) ... 962
Ca stone risk factors, post-transplant ... 804
chronic renal dysfunction in recipients (abst) ... 962
CMV detection in recipients (abst) ... 961
CV screening in elderly recipients, mortality and (abst) ... 1322
diabetes mellitus after (abst) ... 963
donor age/sex and graft survival rates (abst) ... 962
donor factors, early graft function (abst) ... 961
early protocol biopsy, graft outcome and ... 310
early routine biopsies, histopathology in (abst) ... 962
genetic determinants of thrombosis after (abst) ... 1325
HCV infection ... 981
hypercholesterolemia, retrospective review (abst) ... 1322
hypertension after (abst) ... 963
intrarenal gene expression during rejection ... 58:S-15
isolated pyuria, clinical significance (abst) ... 963
living related, flow cytometry crossmatch (abst) ... 961
living related donor, flow cytometry crossmatch (abst) ... 961
LV mass changes predicted after ... 1205
nonimmunologic factors and outcome (abst) ... 963
outcome of children born to recipient mothers (abst) ... 1322
prognosis in Alport syndrome (abst) ... 961
Sandimmun soft gelatin capsule and *Sandimmun Neoral* compared (abst) ... 960
simvastatin efficacy, hyperlipidemia (abst) ... 1315
upper GI bleeding after (abst) ... 1322
"What doctors don't know about kidneys," by Senator Jake Garn ... 1340
xenotransplantation, ethics of ... 58:S-46
xenotransplantation, hyperacute rejection ... 58:S-28, 58:S-36
xenotransplantation, infection and xenosis ... 58:S-41

xenotransplantation, Nephrology Forum 932
Triglycerides, PAI-1 gene polymorphism, thrombotic risk post-transplant (abst) 1322
Tubular cells
absence of H^+-ATPase on biopsy with dRTA (abst) 948
ACE and chronic diuresis 36
epithelial, IL-12 in autoimmune MRL-*Fas*^{lpr} mice with renal injury 79
hypoxia-induced ICAM-1 on 1703
Tubular function
Ca reabsorption, calcitriol, CRF (abst) 1308
lipoprotein metabolism, antioxidants in DM (abst) 1305
Tubuloglomerular feedback (TGF) prevents nephron oxygen deficiency 386
Tubulointerstitial fibrosis
decorin expression in hydronephrosis 1133
osteopontin regulation in cultured rat renal EC 1766
Tubulointerstitial nephritis (TIN)
apoptosis and (abst) 964
apoptosis and resolution of (abst) 1312
myofibroblast and α_1(III) collagen expression 926
Tubulointerstitial processes in GN (abst) 1306
Tumor markers in CRF (abst) 954
Tumor necrosis factor-α (TNF-α)
complement synthesis by endothelial cells 703
functional blocking in rat crescentic GN (abst) 1325
verocytoxin cytotoxicity, human GMVEC 1245
Tumor therapy and integrins 1413
Tyrosine hydroxylase
gene expression, post-transcriptional regulation by oxygen 585
gene expression and hypoxia, Ca^{2+} and PKC 536
gene expression and reduced O_2 tension 527
Tyrosine kinase
c-src modulates MC phenotype 110
MC stretch-induced TGF-β expression 1028
mechanisms of insulin's action in TAL 1037
Tyrosine phosphorylation, DNA damage and cell death in LLC-PK hypoxia 1747

U
Ultrafiltration
human peritoneal fibroblast in 3D culture 205
hyperosmolality, TGF-β1, MMP9, human peritoneal mesothelial cells 337
profiling, Na modeling, maintenance HD (abst) 1329
Ultrasonography
femoral vein cannulation for HD (abst) 951
renal findings, progressive focal segmental GS (abst) .. 1315
Uninephrectomy, antihypertensive therapy in SHR 750
Upper gastrointestinal bleeding post-transplant (abst) ... 1322
Urea
hemodialyzer mass transfer-area coefficients for 2013
human urea transporter (HUT11) expression in kidney vasa recta 138
Urea kinetic modeling (Kt/V)
Biostat urea monitor, evaluation of (abst) 1329, 1330
estimation of equilibrated post-dialysis urea 2000
as index of nutritional status (abst) 954
two-pool model, urea distribution volume 1270
Urea reduction ratios, albumin levels, Australian HD patients (abst) 1326
Uremia
amino acids and muscle metabolism 1182
calcium pump inhibitors in uremic plasma 1042
glucose metabolism and low protein diet 1222
growth retardation and acidosis 58:S-102
influences scavenger receptor 785
LH receptor inhibitors in boys with CRF 777
plasma mevalonate concentrations 908
VLDL receptor deficiency 913
Ureteropelvic junction (UPJ) obstruction, antenatal hydronephrosis outcome (abst) 951
Urinalysis, spot urine protein-to-creatinine ratio, hypertensive pregnancy (abst) 1306
Urinary epinephrine, sources of human 324
Urinary excretion
calcium, children with UTI (abst) 967
calcium, thiazides correct SHR hypercalciuria 1018
crystal inhibition in rats 640
NEP in Chinese herbs nephropathy 288
Urinary tract infection (UTI)
children, Australian Aborigines (abst) 1318
children, renal outcome one-year after (abst) 1305
increased urinary Ca excretion, children (abst) 967
Urine ammonium (NH_4^+), high anion gap metabolic acidosis (abst) 949
Urine osmolar and anion gaps compared, high anion gap metabolic acidosis (abst) 949
Urine supersaturation
Ca stone risk factors, post-transplant 804
crystal inhibition in hypercalciuric rats 640
stone composition and 894
Urolithiasis, Ca salt, thermodynamic equilibrium model (abst) 1315

V
Valsartan, progression of renal damage, rats (abst) 1312
Vascular access
AVF closure, anaerobic threshold, cardiac output (abst) 1321
catheter-related sepsis, antibiotic therapy without catheter removal (abst) 945
femoral vein cannulation with ultrasound (abst) 951
laparoscopic Tenckhoff catheter insertion, CAPD (abst) 1328
malfunctioning Tenckhoff, fluoroscopic repositioning (abst) 957
occlusion, ACA and lupus anticoagulant (abst) 952
PermCath catheters, children (abst) 952
PermCath catheters, clinical evaluation (abst) 952
stenting of central venous stenoses, HD 277
surgical aspects of PD (CAPD) access (abst) 1328
Thoratec arteriovenous fistulae 1327
Vascular endothelial growth factor (VEGF)
hypoxia and gene expression 448, 560
hypoxic induction 575
Vascular morphogenesis regulated by SPARC 1383
Vascular responses to hypoxia 438
Vascular smooth muscle responses to oxygen tension changes 462
Vasoactive substances, rHuEPO intradialytic effects, lipid peroxidation, HD (abst) 956
Vasopressin, oxytocin, as antidiuretic hormones in edema (abst) 949
Verapamil
apoptosis in CsA nephrotoxicity (abst) 968
morphologic effect on CsA nephrotoxicity (abst) 965
Verotoxin
hemolytic uremic syndrome 58:S-91

hemolytic uremic syndrome (abst) 1305
TNF-α, GMVEC cytotoxicity 1245
Very low density lipoprotein (VLDL)
receptor deficiency in NS 1761
receptor deficiency in uremia 913
Vesicoureteric reflux (VUR), reflux nephropathy, ESRD
in children (abst) 1306
Vitamin D
1α(OH)-vitamin D_2 in SHPTH 317
1α(OH)-vitamin D_3, steroid-induced osteoporosis,
MCNS, children (abst) 965
Vitamin K, bone fractures and *i*PTH 1218
Vitamins, antioxidant, and EPO production 497
Vitronectin, MC expression of α_v integrins 1900
Volume expansion
acute, intraluminal Ang II and 44
acute/chronic, natriuresis, ANP (abst) 1307
Volume regulation
chloride channels and 477
dialysis, dryness, and fluid overload 59:S-39
estimation from bioimpedance spectroscopy, postural
changes and 1078
von Hippel-Lindau disease
renal cysts, renal cancer and 16
tumor suppressor gene, hypoxic induction of VEGF 575
von Willebrand factor, MC expression of α_v integrins 1900

W

Water balance
brain natriuretic peptide release, hypertension (abst) ... 950
disorder of, salt, edema and 59:S-111
Na and water retention in cirrhosis 59:S-43
Na and water retention in heart failure 59:S-57
VP and oxytocin as antidiuretic hormones in edema
(abst) 949
Weening, Jan J. 2042
WT1 gene mutation in Denys-Drash syndrome (abst) 949

X

Xenoantigen
porcine Galα(1,3) Gal, reduced in transgenic mice
(abst) 1323
porcine Galα(1,3) Gal eliminated (abst) 1324
Xenotransplantation
Galα(1,3) Gal eliminated in models (abst) 1324
hyperacute rejection 58:S-28
hyperacute rejection, pig to primate 58:S-36
infectious risks, xenosis 58:S-41
past, present and future of, Nephrology Forum 932
social/religious/ethical/political issues 58:S-46
xenosis and 58:S-41

Y

Yeast (*Saccharomyces cerevisiae*), hypoxia in 507